

No.	Product Description	Year	Title	Author	Article Information	IF (2020)
1	Gene Synthesis Service	2018	BAFF-neutralizing interaction of belimumab related to its therapeutic efficacy for treating systemic lupus erythematosus	Woori Shin, Hyun Tae Lee, Heejin Lim, Sang Hyung Lee, Ji Young Son, Jee Un Lee, Ki-Young Yoo, Seong Eon Ryu, Jaejun Rhie, Ju Yeon Lee, and Yong-Seok Heo	<i>Nature Communications. 9,</i> 1200	14.919
2	Gene Synthesis Service	2018	Human adipose mesenchymal stem cells overexpressing dual chemotactic gene showed enhanced angiogenic capacity in ischaemic hindlimb model	Younggeul Min, Seongho Han, Hyun Aae Ryu, and Sung-Whan Kim	<i>Cardiovascular Research. 114,</i> 1400-1409	10.787
3	Gene Synthesis Service	2018	A structural investigation of NRZ mediated apoptosis regulation in zebrafish	Chathura D. Suraweera, Sofia Caria, Michael Järvå, Mark G. Hinds, and Marc Kvensakul	<i>Cell Death and Disease. 9,</i> 967	7.57
4	Gene Synthesis Service	2018	Ectopic Overexpression of Porcine Myh1 Increased in Slow Muscle Fibers and Enhanced Endurance Exercise in Transgenic Mice	Jin Seop Ahn, Dong-Hwan Kim, Hee-Bok Park, Sang-Hyun Han, Seongsoo Hwang, In-Cheol Cho, and Jeong-Woong Lee	<i>International Journal of Molecular Sciences. 19,</i> 2959	5.923
5	Gene Synthesis Service	2018	Identification and functional study of the endoplasmic reticulum stress sensor IRE1 in <i>Chlamydomonas reinhardtii</i>	Yasuyo Yamaoka, Bae Young Choi, Hanul Kim, Seungjun Shin, Yeongho Kim, Sunghoon Jang, Won-Yong Song, Chung H. Cho, Hwan Su Yoon, Kenji Kohno, and Youngsook Lee	<i>Plant Journal. 94,</i> 91-104	5.53
6	Gene	2018	Overexpression of <i>OsNAC14</i> Improves	Jae Sung Shim, Nuri Oh, Pil Joong	<i>Frontiers in Plant</i>	5.44

	Synthesis Service		Drought Tolerance in Rice	Chung, Youn Shic Kim, Yang Do Choi, Ju-Kon Kim	<i>Science</i> . 9, 310	
7	Gene Synthesis Service	2018	Cell-penetrating artificial mitochondria-targeting peptide-conjugated metallothionein 1A alleviates mitochondrial damage in Parkinson's disease models	Young Cheol Kang, Minuk Son, Sora Kang, Suyeol Im, Ying Piao, Kwang Suk Lim, Min-Young Song, Kang-Sik Park, Yong-Hee Kim, and Youngmi Kim Pak	<i>Experimental and Molecular Medicine</i> . 50, 1-13	5.418
8	Gene Synthesis Service	2018	The Roc-COR tandem domain of leucine-rich repeat kinase 2 forms dimers and exhibits conventional Ras-like GTPase properties	Ryan D. Mills, Lung-Yu Liang, Daisy Sio-Seng Lio, Yee-Foong Mok, Terrence D. Mulhern, George Cao, Michael Griffin, Vijaya B. Kenche, Janetta G. Culvenor, and Heung-Chin Cheng	<i>Journal of Neurochemistry</i> . 147, 409-428	5.372
9	Gene Synthesis Service	2018	<i>Drosophila melanogaster</i> Guk-holder interacts with the Scribbled PDZ1 domain and regulates epithelial development with Scribbled and Discs Large	Sofia Caria, Charlene M Magtoto, Tinaz Samiei, Marta Portela, Krystle Yim 1, Jing Yuan How, Bryce Z Stewart, Patrick O Humbert, Helena E Richardson, and Marc Kvensakul	<i>Journal of Biological Chemistry</i> . 293, 4519-4531	5.157
10	Gene Synthesis Service	2018	In silico-designed lignin peroxidase from <i>Phanerochaete chrysosporium</i> shows enhanced acid stability for depolymerization of lignin	Le Thanh Mai Pham, Hogyun Seo, Kyung-Jin Kim, and Yong Hwan Kim	<i>Biotechnology for Biofuels</i> . 11, 325	4.815
11	Gene Synthesis Service	2018	Phage-Antibiotic Synergy via Delayed Lysis	Minjin Kim, Yunyeol Jo, Yoon Jung Hwang, Hye Won Hong, Sung Sik Hong, Kwangseo Park, and Heejoon	<i>Applied and Environmental Microbiology</i> . 30,	4.792

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12	Gene Synthesis Service	2018	Functional Expression and Characterization of the Recombinant <i>N</i> -Acetyl-Glucosamine/ <i>N</i> -Acetyl-Galactosamine-Specific Marine Algal Lectin BPL3	Hyun-Ju Hwang, Jin-Woo Han, Gwang Hoon Kim 2, and Jong Won Han	<i>Marine Drugs. 16, 13</i>	4.76
13	Gene Synthesis Service	2018	A Recombinant Snake Cathelicidin Derivative Peptide: Antibiofilm Properties and Expression in <i>Escherichia coli</i>	Mercedeh Tajbakhsh, Maziar Mohammad Akhavan, Fatemeh Fallah, and Abdollah Karimi	<i>Biomolecules. 8, 118</i>	4.57
14	Gene Synthesis Service	2018	Induction of Recombinant Lectin Expression by an Artificially Constructed Tandem Repeat Structure: A Case Study Using <i>Bryopsis plumosa</i> Mannose-Binding Lectin	Hyun-Ju Hwang, Jin-Woo Han, Hancheol Jeon, and Jong Won Han	<i>Biomolecules. 8, 146</i>	4.57
15	Gene Synthesis Service	2018	Nucleotide-mediated SPDEF modulates TFF3-mediated wound healing and intestinal barrier function during the weaning process	Sang In Lee and In Ho Kim	<i>Scientific Reports. 8, 4827</i>	4.379
16	Gene Synthesis Service	2018	Structural insight into D-xylose utilization by xylose reductase from <i>Scheffersomyces stipitis</i>	Hyeoncheol Francis Son, Sun-Mi Lee, and Kyung-Jin Kim	<i>Scientific Reports. 8, 17442</i>	4.379
17	Gene Synthesis Service	2018	Development of <i>Bacillus methanolicus</i> methanol dehydrogenase with improved formaldehyde reduction activity	Jiyeun Yi, Jinhyuk Lee, Bong Hyun Sung, Du-Kyeong Kang, GyuTae Lim, Jung-Hoon Bae, Seung-Goo Lee, Sun Chang Kim, and Jung-Hoon Sohn	<i>Scientific Reports. 8, 12483</i>	4.379
18	Gene Synthesis	2018	Identification of Two Mannosyltransferases Contributing to Biosynthesis of the Fungal-	Takuya Onoue, Yutaka Tanaka, Daisuke Hagiwara, Keisuke Ekino,	<i>Scientific Reports. 8, 16918</i>	4.379

	Service		type Galactomannan α -Core-Mannan Structure in <i>Aspergillus fumigatus</i>	Akira Watanabe, Kazuyoshi Ohta, Katsuhiko Kamei, Nobuyuki Shibata, Masatoshi Goto, and Takuji Oka		
19	Gene Synthesis Service	2018	Engineering a palette of eukaryotic chromoproteins for bacterial synthetic biology	Josefine Liljeruhm, Saskia K. Funk, Sandra Tietscher, Anders D. Edlund, Sabri Jamal, Pikkei Wistrand-Yuen, Karl Dyrhage, Arvid Gynnå, Katarina Ivermark, Jessica Lövgren, Viktor Törnblom, Anders Virtanen, Erik R. Lundin, Erik Wistrand-Yuen, and Anthony C. Forster	<i>Journal of Biological Engineering. 12, 8</i>	4.355
20	Gene Synthesis Service	2018	Long-Term Stability and Integrity of Plasmid-Based DNA Data Storage	Hoang Hiep Nguyen, Jeho Park, Seon Joo Park, Chang-Soo Lee, Seungwoo Hwang, Yong-Beom Shin, Tai Hwan Ha, and Moonil Kim	<i>Polymers. 10, 28</i>	4.329
21	Gene Synthesis Service	2018	Identification of anti-SF3B1 autoantibody as a diagnostic marker in patients with hepatocellular carcinoma	Hai-Min Hwang, Chang-Kyu Heo, Hye Jung Lee, Sang-Seob Kwak, Won-Hee Lim, Jong-Shin Yoo, Dae-Yuel Yu, Kook Jin Lim, Jeong-Yoon Kim, and Eun-Wie Cho	<i>Journal of Translational Medicine. 16, 177</i>	4.206
22	Gene Synthesis Service	2018	High level expression and purification of recombinant flounder growth hormone in <i>E. coli</i>	Tae-Jin Choi and Temesgen Tola Geletu	<i>Journal of Genetic Engineering and Biotechnology. 16, 347-355</i>	3.82
23	Gene	2018	Expression Properties and Skin Permeability	In-Sun Park, Chung-Hyeon Choe,	<i>Journal of Life</i>	3.647

	Synthesis Service		of Human Basic Fibroblast Growth Factor with or without PTD Fused to N- or C-terminus in <i>Escherichia coli</i>	Bo-Ra Kwon, Young-Ji Choi, Tae-Ho Kwon, Kang-Yeol Yu, Juhjung Lee, and Young-Moo Choo	<i>Science. 28, 275-283</i>	
24	Gene Synthesis Service	2018	Salinomycin Inhibits Influenza Virus Infection by Disrupting Endosomal Acidification and Viral Matrix Protein 2 Function	Yejin Jang, Jin Soo Shin, Yi-Seul Yoon, Yun Young Go Hye Won Lee Oh Seung Kwon, Sehee Park, Man-Seong Park, and Meehyein Kim	<i>Journal of Virology. 92, e01441-18</i>	3.616
25	Gene Synthesis Service	2018	Production of a germline-humanized cetuximab scFv and evaluation of its activity in recognizing EGFR- overexpressing cancer cells	Arsham Banisadr, Yaghoub Safdari,, Anvarsadat Kianmehr, and Mahdieh Pourafshar	<i>Human Vaccines and Immunotherapeutics. 14, 856-863</i>	3.452
26	Gene Synthesis Service	2018	Crystal structure and enzymatic properties of chalcone isomerase from the Antarctic vascular plant <i>Deschampsia antarctica</i> Desv	Sun-Ha Park, Chang Woo Lee, Sung Mi Cho, Hyoungseok Lee, Hyun Park, Jungeun Lee, Jun Hyuck Lee	<i>PLoS One. 13, e0192415</i>	3.240
27	Gene Synthesis Service	2018	<i>Plasmodium vivax</i> Merozoite Surface Protein 1 Paralog as a Mediator of Parasite Adherence to Reticulocytes	Jin-Hee Han, Jee-Sun Cho, Yang Cheng, Fauzi Muh, Won Gi Yoo, Bruce Russell, Francois Nosten, Sunghun Na, Kwon-Soo Ha, Won Sun Park, Seok-Ho Hong, and Eun-Taek Han	<i>Infection and Immunity. 86, e00239-18</i>	3.201
28	Gene Synthesis Service	2018	Thymosin β 4 is associated with bone sialoprotein expression via ERK and Smad3 signaling pathways in MDPC-23 odontoblastic cells	Baik-Dong Choi, Hee-Jung Lim, Seung-Yeon Le,e Myoung-Hwa Lee, Ki-Sung Kil, Do-Seon Lim, Soon-Jeong Jeong, and Moon-Jin Jeong	<i>International Journal of Molecular Medicine. 42, 2881-2890</i>	3.098
29	Gene	2018	Red algal Rubisco fails to accumulate in	Myat T. Lin and Maureen R. Hanson	<i>Plant Direct. 2,</i>	2.72

	Synthesis Service		transplastomic tobacco expressing <i>Griffithsia monilis RbcL</i> and <i>RbcS</i> genes		e00045	
30	Gene Synthesis Service	2018	Over-Expression, Secondary Structure Characterization, and Preliminary X-ray Crystallographic Analysis of <i>Xenopus tropicalis</i> Ependymin	Jeong Kuk Park, Yeo Won Sim, and SangYoun Park	<i>Crystals. 8</i> , 284	2.404
31	Gene Synthesis Service	2018	Isolation and Characterization of Novel Phage Displayed scFv Fragment for Human Tumor Necrosis Factor Alpha and Molecular Docking Analysis of Their Interactions	Hossein Safarpour, Morteza Shahmirzaie, Elham Rezaee, Mahmood Barati, Mohammad Reza Safarnejad, and Farshad H. Shirazi	<i>Iranian Journal of Pharmaceutical Research. 17</i> , 743-752	1.505
32	Gene Synthesis Service	2018	A Feasibility Study to Evaluate <i>Bacillus subtilis</i> as a Host for Producing Recombinant Human Parathyroid Hormone	Mahdi Karimi, Farida Behzadian, Hamideh Rouhaninejad, and Sanaz Yari	<i>Avicenna Journal of Medical Biotechnology. 10</i> , 147-151	1.44
33	Gene Synthesis Service	2018	Storing Digital Information in Long-Read DNA	TaeJin Ahn, Hamin Ban, and Hyunsoo Park	<i>Genomics and Informatics. 16</i> , e30	1.38