

No.	Product Description	Year	Title	Author	Article Information	IF (2020)
1	Gene Synthesis Service	2021	Structural basis for the substrate specificity and catalytic features of pseudouridine kinase from <i>Arabidopsis thaliana</i>	Sang-Hoon Kim, Claus-Peter Witte, and Sangkee Rhee	<i>Nucleic Acids Research</i> . 49, 491-503	16.971
2	Gene Synthesis Service	2021	Development of antibody against drug-resistant respiratory syncytial virus: Rapid detection of mutant virus using split superfolder green fluorescent protein-antibody system	Hyeran Kim, Seul Gee Hwang, Kyeonghye Guk, Yoonji Bae, Hwangseo Park, Eun-Kyung Lim, Taejoon Kang, and Juyeon Jung	<i>Biosensors and Bioelectronics</i> . 194, 113593	10.257
3	Gene Synthesis Service	2021	FGF2-primed 3D spheroids producing IL-8 promote therapeutic angiogenesis in murine hindlimb ischemia	Jungkyun Choi, Wooshik Choi, Yunji Joo, Haeun Chung, Dokyun Kim, Seung Ja Oh, and Sang-Heon Kim	<i>npj Regenerative Medicine</i> . 6, 48	8.60
4	Gene Synthesis Service	2021	Engineering of Humanized Antibodies Against Human Interleukin 5 Receptor Alpha Subunit That Cause Potent Antibody-Dependent Cell-Mediated Cytotoxicity	Jung-Eun Kim, Dong-Hyun Lee, Keunok Jung, Eun-Ji Kim, Youngwoo Choi, Hae-Sim Park, and Yong-Sung Kim	<i>Frontiers in Immunology</i> . 11, 593748	6.76
5	Gene Synthesis Service	2021	Establishment of a Genome Editing Tool Using CRISPR-Cas9 in <i>Chlorella vulgaris</i> UTEX395	Jongrae Kim, Kwang Suk Chang, Sangmuk Lee, and EonSeon Jin	<i>International Journal of Molecular Sciences</i> . 22, 480	5.923
6	Gene Synthesis Service	2021	Soluble Expression and Efficient Purification of Recombinant Class I Hydrophobin DewA	Sang-Oh Ahn, Ho-Dong Lim, Sung-Hwan You, Dae-Eun Cheong, and Geun-Joong Kim	<i>International Journal of Molecular Sciences</i> . 22, 7843	5.923
7	Gene Synthesis Service	2021	Microbial Production of Melanin Pigments from Caffeic Acid and L-Tyrosine Using	Soo-Yeon Ahn, Seyoung Jang, Pamidimarri D. V. N. Sudheer, and	<i>International Journal of Molecular</i>	5.923

	Service		<i>Streptomyces glaucescens</i> and FCS-ECH-Expressing <i>Escherichia coli</i>	Kwon-Young Choi	<i>Sciences. 22</i> , 2413	
8	Gene Synthesis Service	2021	Soluble Cytoplasmic Expression and Purification of Immunotoxin HER2(scFv)-PE24B as a Maltose Binding Protein Fusion	Sangsu Park, Minh Quan Nguyen, Huynh Kim Khanh Ta, Minh Tan Nguyen, Gunsup Lee, Chong Jai Kim, Yeon Jin Jang, and Han Choe	<i>International Journal of Molecular Sciences. 22</i> , 6483	5.923
9	Gene Synthesis Service	2021	TRIM25 and DEAD-Box RNA Helicase DDX3X Cooperate to Regulate RIG-I-Mediated Antiviral Immunity	Sarah C. Atkinson, Steven M. Heaton, Michelle D. Audsley, Oded Kleifeld, and Natalie A. Borg	<i>International Journal of Molecular Sciences. 22</i> , 9094	5.923
10	Gene Synthesis Service	2021	Affinity Maturation of a T-Cell Receptor-Like Antibody Specific for a <i>Cytomegalovirus</i> pp65-Derived Peptide Presented by HLA-A*02:01	Se-Young Lee, Deok-Han Ko, Min-Jeong Son, Jeong-Ah Kim, Keunok Jung and Yong-Sung Kim	<i>International Journal of Molecular Sciences. 22</i> , 2349	5.923
11	Gene Synthesis Service	2021	Production of <i>Gloeophyllum trabeum</i> Endoglucanase Cel12A in <i>Nicotiana benthamiana</i> for Cellulose Degradation	Kyoung Rok Geem, Younho Song, Inhwan Hwang, Hyeun-Jong Bae, and Dong Wook Lee	<i>Frontiers in Plant Science. 12</i> , 696199	5.44
12	Gene Synthesis Service	2021	Expression and Functional Evaluation of Recombinant Anti-receptor Activator of Nuclear Factor Kappa-B Ligand Monoclonal Antibody Produced in <i>Nicotiana benthamiana</i>	Wanuttha Boonyayothin, Sirorut Sinnung, Balamurugan Shanmugaraj, Yoshito Abe, Richard Strasser, Prasit Pavasant, and Waranyoo Phoolcharoen	<i>Frontiers in Plant Science. 12</i> , 683417	5.44
13	Gene Synthesis Service	2021	Enhancement of Thermostability of <i>Aspergillus flavus</i> Urate Oxidase by Immobilization on the Ni-Based Magnetic Metal–Organic Framework	Neda Motamedi, Mahmood Barani, Azadeh Lohrasbi-Nejad, Mojtaba Mortazavi, Ali Riahi-Medvar, Rajender S. Varma, and Masoud	<i>Nanomaterials. 11</i> , 1759	5.076

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14	Gene Synthesis Service	2021	Development and Clinical Evaluation of an Immunochromatography-Based Rapid Antigen Test (GenBody™ COVAG025) for COVID-19 Diagnosis	Doyeong Kim, Jihoo Lee, Jyotiranjana Bal, Seul Ki Seo, Chom-Kyu Chong, Jong Ho Lee, and Hyun Park	<i>Viruses</i> . 13, 796	5.048
15	Gene Synthesis Service	2021	A novel hyperthermophilic methylglyoxal synthase: molecular dynamic analysis on the regional fluctuations	Gyo-Yeon Seo, Hoe-Suk Lee, Hyeonsoo Kim, Sukhyeong Cho, Jeong-Geol Na, Young JooYeon, and Jinwon Lee	<i>Scientific Reports</i> . 11, 2538	4.379
16	Gene Synthesis Service	2021	Cytosine Base Editor-Mediated Multiplex Genome Editing to Accelerate Discovery of Novel Antibiotics in <i>Bacillus subtilis</i> and <i>Paenibacillus polymyxa</i>	Man Su Kim, Ha-Rim Kim, Da-Eun Jeong, and Soo-Keun Choi	<i>Frontiers in Microbiology</i> . 12, 691839	4.235
17	Gene Synthesis Service	2021	A Study of 3CLpro as Promising Targets against SARS-CoV and SARS-CoV-2	Seri Jo, Suwon Kim, Jahyun Yoo, Mi-Sun Kim, and Dong Hae Shin	<i>Microorganisms</i> . 9, 756	3.86
18	Gene Synthesis Service	2021	Clinical Evaluation of an Immunochromatographic-Based IgM/IgG Antibody Assay (GenBody™ COVI040) for Detection of Antibody Seroconversion in Patients with SARS-CoV-2 Infection	Doyeong Kim, Jihoo Lee, Jyotiranjana Bal, Chom-Kyu Chong 1, Jong Ho Lee, and Hyun Park	<i>Diagnostics</i> . 11, 537	3.24
19	Gene Synthesis Service	2021	Development of a Rapid Diagnostic Kit for Congestive Heart Failure Using Recombinant NT-proBNP Antigen	Young-Ki Lee, Dong-Ok Choi, and Ga-Yeon Kim	<i>Medicina</i> . 57, 751	2.430
20	Gene	2021	Recombinant Flagellin Protein Can Efficiently	Nafiseh Ghorbani, Mehdi Assmar,	<i>Journal of Applied</i>	1.22

	Synthesis Service		Protect Mice Against <i>Salmonella Typhi</i>	Nour Amirmozafari, and Khosrow Issazadeh	<i>Biotechnology Reports. 8, 41-45</i>	
21	Gene Synthesis Service	2021	Agroinjection Technique for Transient Gene Expression as Rapid and Highly Efficient Method for Potato Agrobacterium-Based Transformation by CRY1CA Gene	Mohei EL-Din Solliman, Heba Allah A Mohasseb, Abdullatif A Al-Khateeb, Suliman A Al-Khateeb, Wael F Shehata, and Mohammed I Aldaej	<i>Fresenius Environmental Bulletin. 30, 5149-5160</i>	0.553
22	Gene Synthesis Service	2021	Expression of the VP2 protein of feline panleukopenia virus in insect cells and use thereof in a hemagglutination inhibition assay	Dong-Kun Yang, Yeseul Park, Yu-Ri Park, Jae Young Yoo, Sungjun An, Jungwon Park, and Bang-Hun Hyun	<i>Korean Journal of Veterinary Research. 61, e19</i>	0.17
23	Gene Synthesis Service	2021	IRI-CCE: A Platform for Evaluating CRISPR-based Genome Editing Tools and Its Components	Rahul Mahadev Shelake, Dibyajyoti Pramanik, and Jae-Yean Kim	<i>Preprints (online published)</i>	
24	Gene Synthesis Service	2021	A Simple Two-step System to Produce a Cyclic Peptide Library for Cell-based Assays	Diem Quynh Nguyen, Dogyeong Kim, Hyunjae Park, Kyoung Sang Cho, and Lin-Woo Kang	<i>Preprints (online published)</i>	