

# Improved monomeric red, orange and yellow fluorescent proteins Discosoma sp. red fluorescent protein

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Citation Report

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1919	Two Mitogen-Activated Protein Kinases, MPK3 and MPK6, Are Required for Funicular Guidance of Pollen Tubes in Arabidopsis. <i>Plant Physiology</i> , 2014, 165, 528-533.	2.3	79
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1922	Genetic Analysis Reveals that Amyloid Precursor Protein and Death Receptor 6 Function in the Same Pathway to Control Axonal Pruning Independent of $\beta$ -Secretase. <i>Journal of Neuroscience</i> , 2014, 34, 6438-6447.	1.7	60
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1927	Chondrocytes Transdifferentiate into Osteoblasts in Endochondral Bone during Development, Postnatal Growth and Fracture Healing in Mice. <i>PLoS Genetics</i> , 2014, 10, e1004820.	1.5	456
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1932	Noninvasive near-infrared fluorescent protein-based imaging of tumor progression and metastases in deep organs and intraosseous tissues. <i>Journal of Biomedical Optics</i> , 2014, 19, 016019.	1.4	29

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1935	Engineering Genetically Encoded FRET Sensors. <i>Sensors</i> , 2014, 14, 11691-11713.	2.1	79
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1938	Annexin A2 Mediates Mycoplasma pneumoniae Community-Acquired Respiratory Distress Syndrome Toxin Binding to Eukaryotic Cells. <i>MBio</i> , 2014, 5, .	1.8	33
1939	Bioluminescence Resonance Energy Transfer System for Measuring Dynamic Protein-Protein Interactions in Bacteria. <i>MBio</i> , 2014, 5, e01050-14.	1.8	8
1941	Automated detection and tracking of many cells by using 4D live-cell imaging data. <i>Bioinformatics</i> , 2014, 30, i43-i51.	1.8	25
1942	Fluorescent genetic barcoding in mammalian cells for enhanced multiplexing capabilities in flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 105-113.	1.1	16
1943	Single-Cell Imaging of Mechanotransduction in Endothelial Cells. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 126, 25-51.	0.9	9
1944	Single-molecule pull-down (SiMPull) for new-age biochemistry. <i>BioEssays</i> , 2014, 36, 1109-1119.	1.2	25
1945	Fluorescent Visualization of Src by Using Dasatinib-BODIPY. <i>ChemBioChem</i> , 2014, 15, 1317-1324.	1.3	16
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1949	Modular Extracellular Sensor Architecture for Engineering Mammalian Cell-based Devices. <i>ACS Synthetic Biology</i> , 2014, 3, 892-902.	1.9	120
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1952	The <i>Arabidopsis</i> EDR1 Protein Kinase Negatively Regulates the ATL1 E3 Ubiquitin Ligase to Suppress Cell Death. <i>Plant Cell</i> , 2014, 26, 4532-4546.	3.1	52

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1956	Highly specific hybrid protein DARPIn-mCherry for fluorescent visualization of cells overexpressing tumor marker HER2/neu. <i>Biochemistry (Moscow)</i> , 2014, 79, 1391-1396.	0.7	20
1957	Escherichia coli Isolate for Studying Colonization of the Mouse Intestine and Its Application to Two-Component Signaling Knockouts. <i>Journal of Bacteriology</i> , 2014, 196, 1723-1732.	1.0	66
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1961	Local Regulation of Neurofilament Transport by Myelinating Cells. <i>Journal of Neuroscience</i> , 2014, 34, 2979-2988.	1.7	35
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1963	PEX16 contributes to peroxisome maintenance by constantly trafficking PEX3 via the ER. <i>Journal of Cell Science</i> , 2014, 127, 3675-86.	1.2	53
1964	Resolution of telomere associations by TRF1 cleavage in mouse embryonic stem cells. <i>Molecular Biology of the Cell</i> , 2014, 25, 1958-1968.	0.9	11
1965	Fluorescent proteins for live-cell imaging with super-resolution. <i>Chemical Society Reviews</i> , 2014, 43, 1088-1106.	18.7	296
1966	Genetic Manipulation of <i>Toxoplasma gondii</i> . , 2014, , 577-611.		20
1967	Quantifying intracellular protein binding thermodynamics during mechanotransduction based on FRET spectroscopy. <i>Methods</i> , 2014, 66, 208-221.	1.9	3
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1970	Regulation of histone gene transcription in yeast. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 599-613.	2.4	58

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1991	<i>Rhodobacter capsulatus</i> DprA is essential for RecA-mediated gene transfer agent (RcGTA) recipient capability regulated by quorum sensing and the CtrA response regulator. <i>Molecular Microbiology</i> , 2014, 92, 1260-1278.	1.2	52
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1993	Bacteria-instructed synthesis of polymers for self-selective microbial binding and labelling. <i>Nature Materials</i> , 2014, 13, 748-755.	13.3	124
1994	An improved monomeric infrared fluorescent protein for neuronal and tumour brain imaging. <i>Nature Communications</i> , 2014, 5, 3626.	5.8	142
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2002	Brain Development. <i>Methods in Molecular Biology</i> , 2014, , .	0.4	1
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2004	Metastasis Research Protocols. <i>Methods in Molecular Biology</i> , 2014, , .	0.4	3
2005	Optimization of Fluorescent Proteins. <i>Methods in Molecular Biology</i> , 2014, 1076, 371-417.	0.4	11
2006	A multi-colour/multi-affinity marker set to visualize phosphoinositide dynamics in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2014, 77, 322-337.	2.8	241
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2010	CD40 ligand and tdTomato-armed vaccinia virus for induction of antitumor immune response and tumor imaging. <i>Gene Therapy</i> , 2014, 21, 195-204.	2.3	32
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2015	The Ubiquitous Distribution of Late Embryogenesis Abundant Proteins across Cell Compartments in <i>Arabidopsis</i> Offers Tailored Protection against Abiotic Stress. <i>Plant Cell</i> , 2014, 26, 3148-3166.	3.1	179
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2021	Multi-Channel Imaging of Cellular Signaling: Interplay of Ca <sup>2+</sup> and Conventional Protein Kinase C. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot077024.	0.2	8
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2047	Use of Transgenic Parasites and Host Reporters To Dissect Events That Promote Interleukin-12 Production during Toxoplasmosis. <i>Infection and Immunity</i> , 2014, 82, 4056-4067.	1.0	31
2048	Glucose de $\alpha$ repression by yeast <i>AMP</i> -activated protein kinase <i>SNF</i> 1 is controlled via at least two independent steps. <i>FEBS Journal</i> , 2014, 281, 1901-1917.	2.2	31
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2050	Comprehensive analysis of RNA-protein interactions by high-throughput sequencing $\alpha$ RNA affinity profiling. <i>Nature Methods</i> , 2014, 11, 683-688.	9.0	124
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2053	Imaging Autophagy. <i>Current Protocols in Cytometry</i> , 2014, 69, 12.34.1-12.34.16.	3.7	4
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2055	Evaluation of Cytotoxicity and DNA Damage Response with Analysis of Intracellular ATM Signaling Pathways. <i>Assay and Drug Development Technologies</i> , 2014, 12, 272-281.	0.6	17
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2059	Fluorescence live cell imaging. <i>Methods in Cell Biology</i> , 2014, 123, 77-94.	0.5	225
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2061	Quantitative confocal microscopy. <i>Methods in Cell Biology</i> , 2014, 123, 113-134.	0.5	40
2062	Ratiometric Imaging of pH Probes. <i>Methods in Cell Biology</i> , 2014, 123, 429-448.	0.5	49



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2070	Evidence That Dendritic Mitochondria Negatively Regulate Dendritic Branching in Pyramidal Neurons in the Neocortex. <i>Journal of Neuroscience</i> , 2014, 34, 6938-6951.	1.7	44
2071	Mannitol is essential for the development of stress-resistant ascospores in <i>Neosartorya fischeri</i> ( <i>Aspergillus fischeri</i> ). <i>Fungal Genetics and Biology</i> , 2014, 64, 11-24.	0.9	34
2072	Rare Variants in NR2F2 Cause Congenital Heart Defects in Humans. <i>American Journal of Human Genetics</i> , 2014, 94, 574-585.	2.6	146
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