

Product datasheet for **MG201074**

Sys1 (NM_025575) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sys1 (NM_025575) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sys1
Synonyms: 2610042O14Rik; AI266964; C87389
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201074 representing NM_025575
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGCCAGTTCGCGAGCTACGTGTGGGACCCGTTGCTAATCCTGTGCGAGATCGTACTCATGCAGA
 CCGTCTACTATGGCTCTCTGGGCTGTGGCTGGCGCTGGTGGACGCGCTGGTGGCAGCAGCCCCGTCCCT
 GGACCAGATGTTTCGACGCGGAGATCCTGGGCTTCTCCACCCTCCAGGCCGGCTCTCAATGATGTCCTTC
 GTCCTCAACGCCCTCACCTGTGCCCTGGGCTTGTGTACTTCATCCGGCAGGGAAGCAGTGCCTGGATT
 TCACTGTCACTGTGCATTTCTTTCACCTCCTGGGCTGCTGGCTCTACAGCTCCCCTTCCCCTCGGCGCT
 GACCTGGTGGCTGGTCCAGGCTGTGTGATTGCACTCATGGCCGTCATCGGGGAGTACCTGTGCATGCGG
 ACGGAGCTCAAGGAGATCCCCCTCAGCTCAGCCCCAAGTCCAATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201074 representing NM_025575
 Red=Cloning site Green=Tags(s)

MAGQFRSYVWDPLLILSQIVLMQTVYYGSLGLWLALVDALVRSSPSLDQMFD AEILGFSTPPGRLSMMSF
 VLNALTALGLLYFIRRGKQCLDFTVTVHFFHLLGCWLYSSRFPSALTWLVQAVCIALMAVIGEYLCMR
 TELKEIPLSSAPKSNV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

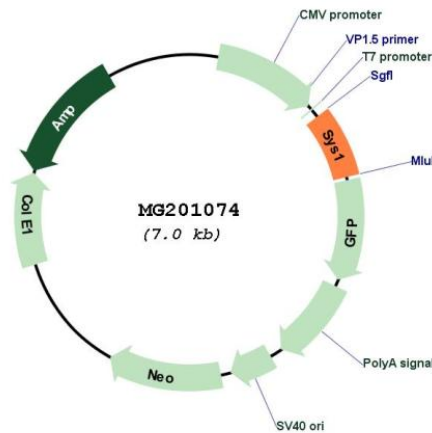


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Cloning Scheme:



Plasmid Map:



ACCN: NM_025575

ORF Size: 468 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_025575.3</u> , <u>NP_079851.2</u>
RefSeq Size:	1623 bp
RefSeq ORF:	471 bp
Locus ID:	66460
UniProt ID:	<u>Q78S06</u>
Cytogenetics:	2 H3
Gene Summary:	Involved in protein trafficking. May serve as a receptor for ARFRP1 (By similarity). [UniProtKB/Swiss-Prot Function]