

Product datasheet for **MG201256**

Mphosph6 (BC008161) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mphosph6 (BC008161) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mphosph6
Synonyms: 1110001M01Rik; AA536809; C86426
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201256 representing BC008161
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCGGAGCGCAAGACTAAGTTATCCAAGAACCTGCTGCGCATGAAGTTCATGCAAAGAGGCCTGG
 ACTCGGAAACCAAGAAACAGCTAGAAGAGGAGGAGCGGAAGATGATCAGCGACGAGCACTGGTACCTGGA
 TTTGCCGGAGTTGAAGGAGAAGGAGAGCTTCATCGTAGAGGAGCAGAGCTTCTCCCTGTGTGAAGATCTT
 CTCTACGGAAGGATGTCATTCAGGGGGTTAATCCTGAGGTTGAGAAGTTAATGCTTCAGATGAATTCTA
 AGAACCGAGCAGAGGCAGCAGAGGAAGACGAGACGGTAGAGGTCGATGTGTCTGATGAGGAAATGGCAAG
 AAGATATGAGACTTTGGTGGGAACAATTGGAAAAAAGTTTGTCAAGAAAAGGGACCGAGCCAATTACGAA
 GAAGATGAAAATGGAACATAAAAAGCCATAAAACCTAAGAAAATGTTCTTAAAGCCCAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201256 representing BC008161
 Red=Cloning site Green=Tags(s)

MASERKTKLSKNLLRMKFMQRGLDSETKKQLEEEERKMI SDEHWYLDLPELKEKESFIVEEQSFLCEDL
 LYGRMSFRGFNPEVEKLMQMSKNRAEAAEEDTVEVDVSD EEMARRYETLVGTIGKFKVKKRDRANYE
 EDENGTIKAIKPKMFLKPQD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

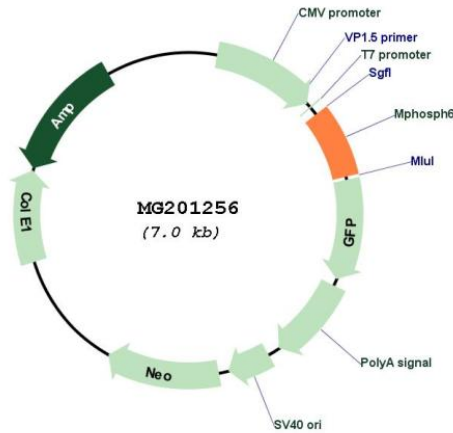


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Cloning Scheme:



Plasmid Map:



ACCN: BC008161

ORF Size: 485 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>BC008161</u> , <u>AAH08161</u>
RefSeq Size:	1071 bp
RefSeq ORF:	485 bp
Locus ID:	68533
Cytogenetics:	8 E1
Gene Summary:	RNA-binding protein that associates with the RNA exosome complex. Involved in the 3'-processing of the 7S pre-rRNA to the mature 5.8S rRNA and plays a role in recruiting the RNA exosome complex to pre-rRNA; this function may include C1D.[UniProtKB/Swiss-Prot Function]