

Product datasheet for **MG205956**

Elmod3 (NM_144917) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmod3 (NM_144917) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Elmod3
Synonyms:	AI844780; C330008I15Rik; Rbed1; RBM29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205956 representing NM_144917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAACATCTTGCTCTTTTTTATTGAGAAAGAATTTCAAGATGGGCAGCTAGAAAATGTCTCTG
CTGGGCTCTTTCATCGTACAAGGACAAGGGTGCCTCATGGCTTTCAGAGGAATTCCTATCTCCGAGCT
GACGAACCATGGCATTCTCCAGGCCCTGACGGCAGAAACCAATGGGTGGCAGCCAGGTGTTGTGAGTGAA
GAGGTCTCAGAGCCCAGGAAGAGTGGGAAGTGGTGGACACCATCCATCCAGACATAGAGAGTGGAGTCC
ACTGCCAGCAGCTGGCCAGCTCATCTCCTTCAACGAGGCCCTGGAGCACTTCCAGAGTGTGGACCTTTC
CTCTTTCAAGAAAAGAATCCAGCCCACTATTCAAAGGACTGGGCTCGCCGCCCTCCGGCATTGCCTTTTC
GGCCCGCCAAAGCTGCACCAGGGTCTTCGGGAAGAAAGAGACTTGGTTCTCACCATTGCTCAGTGTGGCC
TGGACAGCCAAAACCCACGCATGGCCGAGTGCTCCAGACCATCTACAAGAAGCTGACTGGCTCCAAGTT
CGACTGTGCCCTTACGGAGACCATTGGGAAGACCTGGGCTTCCAGGGAGCAAACCCAGCCACAGACCTC
CGGGGGCAGGCTTCTGGCCCTCTGCACCTACTCTACCTGGTTCATGGACTCAAAGACGTTTCTGATGG
CCCAGGAGATCTCCGCCTGTCTCATCACCATATCCAGCAATCCCTTCTGTTTGTGTCTGTGAACAT
CACCCGCATTGCCATCCAGGCCCTTGAGAGAGAGTGTCTCTCCAGGGAGTGAATCGGCCGCAGAAGGTC
ATCCCGTGGTGAACAGCTTCTACCGGCTACTTTCCTTTCATCTGGCTCGCGTGTGGAGGACCCAGCAGA
AGACTATTTTAGACTCAGGCTTGTCTCAAGACTTGAAGCGTTGGCCAAGAAGAGCCAAAACGACT
GCTCAAGACCCTGGATGACTACCTCGCCAGGTGTCAAAGGGACAGACCTCCTTGTGGAGGCACACAAG
CGCCCTGGATCACAGGGACCTCACTCCAGGGATCTCACTTTCACAGGCGTGTGTGACCTGCAGTCTCACT
CATTCCAGAGTGCAGGGTTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205956 representing NM_144917
Red=Cloning site Green=Tags(s)

MSETSCSFFIEKEFQDGQLENVSAGLSSSYKDKGALMAFRGIPISELTNHGILQALTAETNGWQPGVVSE
 EVLRAQEWEVVDTIHPDIESGVHCQQPGQLISFNEALEHFQSVDLSSFKKRIQPTIQRGLAALRHCLF
 GPPKLHQGLREERDLVLTIAQCGLDSQNPHTGRVLQTIYKKLTSKFDLHGDHWDLGFQGANPATDL
 RGAGFLALLHLLYLVMDSKTFLMAQEIFRLSHHHIQQFPFCLMSVNITRIAIQALREECLSRECNRRQKV
 IPVVNSFYAATFLHLARVWRTQQKTILDSGFVLKDLLEALAKKSPKRLKTLDDYLAQVSKGQTSLLEAHK
 RPGSQGPHSRDLTFTGVCDLQSHSFESAGLI

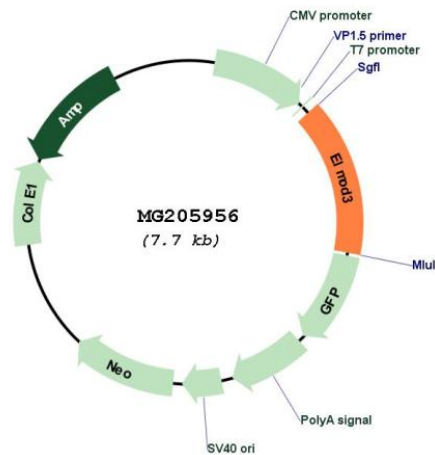
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_144917

ORF Size:	1143 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:	NM_144917.5
RefSeq Size:	2160 bp
RefSeq ORF:	1146 bp
Locus ID:	232089
UniProt ID:	Q91YP6
Cytogenetics:	6 C1
Gene Summary:	Acts as a GTPase-activating protein (GAP) for ARL2 with low specific activity.[UniProtKB/Swiss-Prot Function]