

Product datasheet for **MC227404**

Elmod3 (NM_001253692) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Elmod3 (NM_001253692) Mouse Untagged Clone
Tag: Tag Free
Symbol: Elmod3
Synonyms: AI844780; C330008I15Rik; Rbed1; RBM29
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227404 representing NM_001253692
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGAACATCTTGCTCTTTTTTTATTGAGAAAGAATTTCAAGATGGGCAGCTAGAAAATGTCTCTG
 CTGGGCTCTCTTCATCGTACAAGGACAAGGCTGCACTCATGGCTTTCAGAGGAATTCCTATCTCCGAGCT
 GACGAACCATGGCATTCTCCAGGCCCTGACGGCAGAAACCAATGGGTGGCAGCCAGGTGTTGTGAGTGAA
 GAGGTCCTCAGAGCCCAGGAAGAGTGGGAAGTGGTGGACACCATCCATCCAGACATAGAGAGTGGAGTCC
 ACTGCCAGCAGCCTGGCCAGCTCATCTCCTTCAACGAGGCCCTGGAGCACTTCCAGAGTGTGGACCTTTC
 CTCTTTCAAGAAAAGAATCCAGCCCACTATTCAAAGGACTGGGCTCGCCGCCCTCCGGCATTGCCTTTTC
 GGGCCGCCAAAGCTGCACCAGGGTCTTCGGGAAGAAAGAGACTTGGTTCTCACCATTGCTCAGTGTGGCC
 TGGACAGCCAAAACCAACGCATGGCCGAGTGTCCAGACCATCTACAAGAAGCTGACTGGCTCCAAGTT
 CGACTGTGCCCTTCACGGAGACCATTGGGAAGACCTGGGCTTCCAGGGAGCAAACCCAGCCACAGACCTC
 CGGGGGCAGGCTTCTGGCCCTCTGCACCTACTCTACCTGGTCAAGAGCAATCCCTTCTGTTTGTGTAACAT
 CACCCGATTGCCATCCAGGCCTTGAGAGAGAGTGTCTCTCCAGGGAGTGAATCGGCCGCAAGGTC
 ATCCCGGTGTTGAACAGCTTCTACGCGGCTACTTTCCTTCATCTGGCTCGCGTGTGGAGGACCCAGCAGA
 AGACTATTTTAGACTCAGGCTTTGTCTCAAAGACTTGAAGCGTTGGCCAAGAAGAGCCAAAACGACT
 GCTCAAGACCCTGGATGACTACCTCGCCAGGTGTCAAAGGGACAGACCTCCTTGTGGAGGCACACAAG
 CGCCCTGGATCACAGGGACCTCACTCCAGGGATCTCACTTTCACAGGCGTGTGTGACCTGCAGTCTCACT
 CATTCCGAGAGTGCAGGGTTGATC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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| | |
|-------------------------------|---|
| ACCN: | NM_001253692 |
| Insert Size: | 1146 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_001253692.1</u> , <u>NP_001240621.1</u> |
| RefSeq Size: | 2220 bp |
| RefSeq ORF: | 1146 bp |
| Locus ID: | 232089 |
| UniProt ID: | <u>Q91YP6</u> |
| Cytogenetics: | 6 C1 |
| Gene Summary: | Acts as a GTPase-activating protein (GAP) for ARL2 with low specific activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. |