

Product datasheet for **MC206681**

Elmod2 (BC079654) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmod2 (BC079654) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elmod2
Synonyms:	9830169G11Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC079654
 GGAGCGCTCCACGTAGAGCGTCGTTTTCCGTTGCCGGTGTTTGCAGCTGGGAAACCGAGGCAGTGCCAGC
 TTCCCCCTAGTTCTTCCGCTCCTGTGAGGAAACATGTTTCGTGTCTCTGTGGGAGTTTTCTATGGACAC
 TTTTTCCGATTTTGGATGAAATGGCTCTTACGGCAGATGACTGGGAAATGTGAATTGCAGCGAATTTTTG
 ACACCTATGGAGGGGCACAGAGGACCTACAGAACAGAAAATTCCTTGACATATTTCCAAGAATAAGTCTCT
 ACAGAATGCAACACGAGTTGCCAGAGTGAAGTGGACAGGTGTATAGCGAACATCATGAAGGAAAAGAAC
 ATCTGCTCCGAGAAGGACACAAGTTTTCCAGATCTGCATGCGGACGTGCTTACTGCAGATAACTGGCTATA
 AACAGCTCTACCACGATGTAGAAAATGTGAGGAAAAAGCCCTATGACTCTGCCAATGCACAGCAGAGAA
 GATGCTCCTCAAGCTTTGGAGTCTTCTGATGCCAACGAAAAAGTTGACGGCCCGGATCTCCAAGCAGTGG
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 ATCTCGTGTATTTCAAGTAAAACTACACCAGCGAAGCGCATCAGATTCTCTCCCGCTCAAATCACCCCAA
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 GTTACCTTGTCTATGAATTTGACAAGTTTTGGCTTGGGAAGAGCCAGAAAGCATTATGACTTCAACTT
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 TAGCCCGTGTGGAGTTTTATCCTAAGGAGTCTAGGCATTTACTCCAGGTCAGTATTTGTTTTTATCAG
 CTGTAGAAGGAACCTTCTCAGAGCCCCCTGGGAGAACCCCGCTGTGTGTTAGAAAGGAGGTGCCTCT
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AGAAGAAAACCGAGAGCTTTTTAGACATCTGTTCCCTATCATTGGTGTGTTTGACCTGCTGTTCACCTTTT
 GCTTGCCCTTGATTTGACTCTGGTGTCTGGTAATATTGTAGGGACCTGGGTTAGTGGCTGGGACAT
 GCTACCATAGCCTGGATCATGACTGTGCATTTTTGTATAGCTTTATTCTCCAAAGTCTCAGGAGGGCAGC
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 TGCTCTCCACACAAATGGCTTTTAAATGAAGATGGCTCTTTCACACTCTGAGAAAGATCATGATGTGTA
 TTTTTGTTTTCTGTCTCCAAATTTTGTGAGATAAAAGTTTAAATGTAGTGGAGGTAGGACCCAACAACC
 ACATTGACGTTGGTAGAGTAGTTCTATGTTTTGTTAAAAGTACTGACAAATATTTAAGTTGTAGTGTCC
 CTGGAGGGAAAGCACCAGTTGGTAACTTAAATTTTTGTCTTTTTGCATCAAGCATTTGAATTTTCATGTA
 AAAGCAATAGTGTGAGATGTGACGTCCTTTTGTGTTGTGATGTTAAGTGAGAGAATAAAATCACAGCTGAA
 ACTGTAAA AAAAAAAAAAAAAA

- Restriction Sites:** EcoRI-NotI
- ACCN:** BC079654
- Insert Size:** 882 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).
- 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:

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: [BC079654](#), [AAH79654](#)

RefSeq Size: 4352 bp

RefSeq ORF: 882 bp

Locus ID: 244548

Cytogenetics: 8 C2

Gene Summary: Acts as a GTPase-activating protein (GAP) toward guanine nucleotide exchange factors like ARL2, ARL3, ARF1 and ARF6, but not for GTPases outside the Arf family.[UniProtKB/Swiss-Prot Function]