

## ELMOD1 cDNA

Catalog Number: ATGD0347

### PRODUCT INFORMATION

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**Catalog number**

ATGD0347

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_061182.3

**Alternative Names**

**mRNA Refseq**

NM\_018712.3

**OMIM**

615456

**Chromosome location**

11q22.3

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

1005bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

ELMOD1 acts as a GTPase-activating protein (GAP) toward guanine nucleotide exchange factors like ARL2, ARL3,

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ARF1 and ARF6, but not for GTPases outside the Arf family.

### DATA

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#### Sequence nucleotides

```
ATGAAGCACTTCCTGAGAATGTTGATCCAGGTATGCCTGTATTTTTACTGTAAATTTCTGTGGCGCTGCCTGAAATTTGTAAT
GAGGAAGCTAACTGGAAGATGTGAACTACAACGGATCTGTTATAATACCAAGCCGGGAGCTTCTAGAACCATGAAAATCGA
AACATCACTGAGGGATTCTAAAAGTAAGCTGTTGCAGACTTCTGTGAGTGTTACCCCCGACGCTATTGAAAAAACTATAGAA
GATATCATGGAAGTAAAAAATTAATCCTGACGTAAATCCACAGCTGGGAATCTCTTTCAGGCTTGCCTTCTGCAAATCGT
TGGGTACAGGAACCTTATTGCAGATGTGGAAAACTGCGTAGAGAGGCCTATGATTCTGATAATCCCCAACATGAAGAAATG
CTTTTGAAGTTATGGAAATCTTGAAGCCAATACTCCACTGGAATCTCGGATTTCTAAGCAGTGGTGTGAAATTGGTTTCCA
AGGTGATGATCCTAAAACAGACTTTTCGAGGAATGGGACTTCTGGGACTGTACAATTTGCAGTATTTTCGCGGAAAGGGATGC
CACAGCAGCTCAGCAGGTCCTGTCTGACTCTTTCATCCGAAATGCAGGGATATCACTAAAGAAGAAATAAGCAAATTCAGC
AAAGCAGAATGGGAGAAGAAAAGGATGGATAAGGCAATTGGGTACTCATTTGCAATTGTGGGCATCAATATAACTGACCTG
GCATATAATCTACTGGTCAGCGGAGCTCTAAAAACCCATTTCTACAATATCGCCCCAGAAGCTCCAACATTGTCTCACTTTCA
GCAAACATTCTGCTATTTGATGCATGAATTTATAAGTTTTGGATCGAAGAGGACCCCATGGACATAATGGAATTTAATCGTG
TGAGGGAGAAATCCGCAAGAGGATCATCAAACAGCTGCAGAACCCAGACATGGCGCTGTGCCACATTTTGTGCCTCGG
AAGGTTTAATCAACATGTAG
```

#### Transaction Sequence

```
MKHFLRMLIQ VCLYFYCKFL WRCLKFVMRK LTGRCELQRI CYNTKPGASR TMKIETSLRD SKSKLLQTSV SVHPDAIEKT
IEDIMELKKI NPDVNPQLGI SLQACLLQIV GYRNLIADVE KLRREAYDSD NPQHEEMLLK LWKFLKPNTN LESRISKQWC
EIGFQGDDPK TDFRGMGLLG LYNLQYFAER DATAAQVLS DSLHPKCRDI TKEEISKFSK AEWKRRMDK AIGYSFAIVG
INITDLAYNL LVSGALKTHF YNIAPEAPTL SHFQQTFCYL MHEFHKFWIE EDPMDIMEFN RVREKFRKRI IKQLQNPDMA
LCPHFAASEG LINM
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