

ELMOD1 cDNA

Catalog Number: ATGD0347

PRODUCT INFORMATION

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

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

Sequence nucleotides

ATGAAGCACTTCCTGAGAATGTTGATCCAGGTATGCCTGTATTTTTACTGTAAATTTCTGTGGCGCTGCCTGAAATTTGTAAT
GAGGAAGCTAACTGGAAGATGTGAACTACAACGGATCTGTTATAATACCAAGCCGGGAGCTTCTAGAACCATGAAAATCGA
AACATCACTGAGGGATTCTAAAAGTAAGCTGTTGCAGACTTCTGTGAGTGTTACCCCGACGCTATTGAAAAAACTATAGAA
GATATCATGGAAGTGAATAATCCTGACGTAAATCCACAGCTGGGAATCTCTTTCAGGCTTGCCTTCTGCAAATCGT
TGGGTACAGGAACCTTATTGCAGATGTGAAAAACTGCGTAGAGAGGCCTATGATTCTGATAATCCCCAACATGAAGAAATG
CTTTTGAAGTTATGGAAATCTTGAAGCCCAATACTCCACTGGAATCTCGGATTTCTAAGCAGTGGTGTGAAATTGGTTTCCA
AGGTGATGATCCTAAACAGACTTTCGAGGAATGGGACTTCTGGGACTGTACAATTTGCAGTATTTTCGCGGAAAGGGATGC
CACAGCAGCTCAGCAGGTCCTGTCTGACTCTTTCATCCGAAATGCAGGGATATCACTAAAGAAGAAATAAGCAAATTCAGC
AAAGCAGAATGGGAGAAGAAAAGGATGGATAAGGCAATTGGGTACTCATTTGCAATTGTGGGCATCAATATAACTGACCTG
GCATATAATCTACTGGTCAGCGGAGCTCTAAAAACCCATTTCTACAATATCGCCCCAGAAGCTCCAACATTGTCTCACTTTCA
GCAAACATTCTGCTATTTGATGCATGAATTTATAAGTTTGGATCGAAGAGGACCCCATGGACATAATGGAATTTAATCGTG
TGAGGGAGAAATCCGCAAGAGGATCATCAACAGCTGCAGAACCCAGACATGGCGCTGTGCCACATTTTGCTGCCTCGG
AAGGTTTAATCAACATGTAG

Transaction Sequence

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