

Product datasheet for **SC100977**

ELMOD2 (NM_153702) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ELMOD2

Synonyms: 9830169G1IRik

Mammalian Cell None

Selection:

Vector: pCMV6-XL4

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC100977 sequence for NM_153702 edited (data generated by NextGen Sequencing)

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ATGTTTATTTCTTTGTGGGAGTCTTCTATGGGCACTTTTTTCGATTTTGGATGAAATGG
CTATTACGACAGATGACTGGGAAGTGTGAATTGCAGCGAATATTTGATACCTATGTAGGT
GCACAAAGGACACACAGGATAGAAAATTCCTTGACATACTCCAAGAATAAGGTTTACAG
AAGGCGACACATGTTGTTTCAGAGTGAAGTGGACAAATATGTAGATGATATTATGAAGGAA
AAGAATATTAACCCCTGAGAAGGATGCCAGTTTTAAATATGCATGAAGATGTGCTTACTG
CAGATAACTGGTTATAAACAGCTGTATTTGGATGTAGAAAGTGTGAGGAAAAGGCCATAT
GATTCTGATAACCTACAGCATGAAGAGCTACTCATGAAGCTTTGGAATCTTCTAATGCCC
ACGAAGAAGTTAAACGCTAGAACTCTCAAGCAGTGGGCTGAAATTTGGTTTTCAGGGTGAT
GATCCCAAGACAGACTTCAGAGGCATGGGCATACTTGGGTTAATCAATCTTGTGTAATTC
AGTGAAAATTACACTAGTGAAGCTCATCAGATTCTTTCCCGTTCAAATCATCCAAATTA
GGGTATTCTTATGCAATAGTTGGAATCAATCTTACAGAGATGGCTTATAGCTTACTGAAG
AGTGAAGCTTTGAAGTTTCATCTCTATAACCTTGTCTGTATACCAACAATGGAACAC
TTTCATCAGTTTTACTGTTATCTTGTCTATGAATTTGACAAGTTTTGGTTTGAAGAAGAA
CCAGAAAGCATTATGTATTTCATTTGTATAGAGAGAAGTTTCATGAAAAGATTAAAGGA
CTTTTACTGGATTGTAATGTAGCACTTACTTTAAAGTATAA
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Clone variation with respect to NM_153702.3



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_153702 unedited
GGGTGCAAATTTTGTATACGACTCATATAGGCGGCCGCAAAATTCGCACGAGGGCTGTTT
GCAGTGGGAAACCGAGGCAGCTCCTGCTCCCCCTAGTCTTCCGCTCCTGTGAGGAAAA
AAAAATGTTTATTTCTTTGTGGGAGTTCTTCTATGGGCACCTTTTTTCGATTTTGATGA
AATGGCTATTACGACAGATGACTGGGAAGTGTGAATTGCAGCGAATATTTGATACCTATG
TAGGTGCACAAAGGACACAGGATAGAAAATTCCTTGACATACTCCAAGAATAAGGTTT
TACAGAAGGCGACACATGTTGTTTCTAGAGTGAAGTGGACAAATATGTAGATGATATTATGA
AGGAAAAGAATATTAACCTGAGAAGGATGCCAGTTTTAAATATGCATGAAGATGTGCT
TACTGCAGATAACTGGTTATAAACAGCTGTATTTGGATGTAGAAAGTGTGAGGAAAAGGC
CATATGATTCTGATAACCTACAGCATGAAGAGCTACTCATGAAGCTTTGGAATCTTCTAA
TGCCCCACGAAGAAGTTAAACGCTAGAATCTCCAAGCAGTGGGCTGAAATGGTTTTTCAGG
GTGATGATCCCAAGACAGACTTCAGAGGCATGGGCATCTTGGGTTAATCAATCTTGTGT
ATTTCACTGAAAAATTACACTAGTGAAGCTCATCAGATTCTTTCCCGTTCAAATCATCCAA
AATTAGGGTATTCTTATGCAATAGTTGGAATCAATCTTACAGAGATGGCTTATAGCTTAC
TGAAGAGTGAAGCTCTGAAGTTTCATCTCTATTACCTTGTTTCTTGATACCAACCATTG
GACACTTTCATCAGTTTACTGTTATCTTGTCTTGAATTTGACAAGTTTGGTTTGAAGAA
AACCACAAGCATTATGTTTTTCATTGTATGA

3' Read Nucleotide

Sequence:

>OriGene 3' genomic read for NM_153702 unedited
NGGTTTAACTATGGAACCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTAC
AATTTCAACATGTTTTTATTTTGCTCACTTAACATTCCAAACAAAATGACATTTTACACT
ATTGCTTTTACTTAAGAAGTCAACTGCCTTATCCAAAGTAGACAAAAATCCCAATTCCTT
TAAGTGTCCAAGTGGTACTTTTTCCCCAGAGAAAGCTACTGAATACTTTAACAGAAAC
ATAGAATCGTCTATAATAGTAAGGTAGTAGTTGGGTCTAACCTGTACTACATTTAAAC
TTTTCTCATTAATAAATGAATACAGAAAAAACCCAAACACCTCCAGTCATATTCTCTC
TCAGATTTTAAACAATTCACCTAACCTTCATTAATAAATGCTTTTGTAGAGAGGTGTATA
AATATGAAAATGGAAGTAAGCCTCCCCACACCTGTTATAGAGAAGTGGGGTAGAGCAT
TTATCTCTGAGAAAAGTCTGCTGGTCCCTGTTATTTCAAAAAGGATAATAAACATTATGG
CCCACCAAGTCAAACTCTATCTTCTGTGCCATGATCATGTGTAACTTTTCTGTTCTG
GCTACGAGCATCTACTTTTCACTCATGCGATTCTTCTCTTTGAGCAAACTTTTGATG
AAGTTGATTTTCACTGGATGTTCTCAAAGGGGGAGAAGAGTGCATGAGCAATTATAGTAC
TGGAACANAAGTGAAGGTACATATATTTTTCACGTNGAAAAAATACATACAAATCCCAG
TAGCTCCCTAAAAATAGAAATCAGATGGGCATTTTAAAAAAAAGATTGTTTCTAAAC
TGTAATGTTGCCCGTAAACACTGATTTTATATCTAGCTACATCACATAATTATGTA
CAAAGAAAAGGTGGGGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_153702

Insert Size:

4700 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153702.1</u> , <u>NP_714913.1</u>
RefSeq Size:	1360 bp
RefSeq ORF:	882 bp
Locus ID:	255520
UniProt ID:	<u>Q8IZ81</u>
Cytogenetics:	4q31.1
Domains:	DUF609
Gene Summary:	This gene encodes one of six engulfment and motility (ELMO) domain-containing proteins. This gene is thought to play a role in antiviral responses. Mutations in this gene may be involved in the cause of familial idiopathic pulmonary fibrosis. [provided by RefSeq, Sep 2010]