

Product datasheet for **SC322976**

ELMOD1 (NM_001130037) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELMOD1 (NM_001130037) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELMOD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322976 representing NM_001130037. Blue=Insert sequence Red=Cloning site Green=Tag(s)

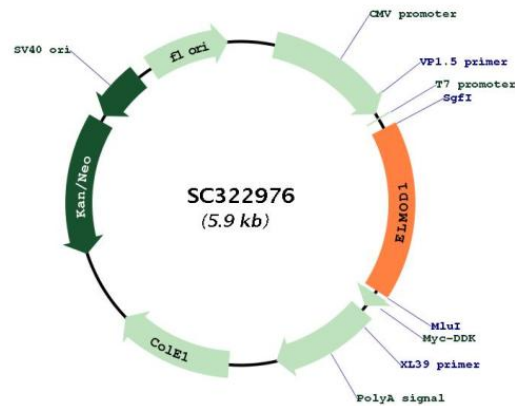
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CTGAAATTTGTAATGAGGAAGCTAACTGGAAGATGTGAACACAACGGATCTGTTATAATACCAAGCCG
GGAGCTTCTAGAACCATGAAAATCGAAACATCACTGAGGGATTCTAAAAGTAAGCTGTTGCAGACTTCT
GTGAGTGTTCACCCCGACGCTATTGAAAAAATATAGAAGATATCATGGAACGAAAAAATTAATCCT
GACGTAATCCACAGCTGGGAATCTCTCTTCAGGCTTGCCTTCTGCAATCGTTGGGTACAGGAACCTT
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TTAATCAACATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001130037

Insert Size: 981 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_001130037.1](#)

RefSeq Size: 2967 bp

RefSeq ORF: 981 bp

Locus ID:	55531
UniProt ID:	Q8N336
Cytogenetics:	11q22.3
MW:	38.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>