

Product datasheet for **SC120554**

ELMO1 (NM_130442) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELMO1 (NM_130442) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELMO1
Synonyms:	CED-12; CED12; ELMO-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120554 sequence for NM_130442 edited (data generated by NextGen Sequencing)

```
ATGCAGGTGGTGAAGGAGCAGGTTATGAGAGCACTTACAACCAAGCCTAGCTCCCTGGAC
CAGTTCAAGAGCAAACCTGCAGAACCTGAGCTACACTGAGATCCTGAAAATCCGCCAGTCC
GAGAGGATGAACCAAGGAAGATTTCCAGTCCCGCCGATTTTGGAACTAAAGGAGAAGATT
CAGCCAGAAATCTTAGAGCTGATCAAACAGCAACGCCTGAACCGCCTTGTGGAAGGGACC
TGCTTTAGGAACTCAATGCCCGCGGAGGCAAGACAAGTTTTGGTATTGTGGCTTTTCG
CCAAATCACAAGTCCTGCATTACGGAGACTTAGAAGAGAGTCTCAGGGAGAAGTGCC
CACGATTCCTTGACAGGACAACTGCCGGTGGCAGATATCAAAGCCGTGGTACGGGAAAAG
GACTGCCCTCATATGAAAGAGAAAGGTGCCCTTAAACAAAACAAGGAGGTGCTTGAAC
GCTTTCTCCATCTTGATGACTCAAACGCAACTGAACCTCATCGCTCCTGACAAGCAT
GAGTACTGTATCTGGACGGATGGACTGAATGCGCTACTCGGGAAGGACATGATGAGCGAC
CTGACGCGGAATGACCTGGACACCCTGCTCAGCATGAAAATCAAGCTCCGCTCCTGGAC
CTGAAAACATCCAGATCCCTGACGCACCTCCGCCGATTCCTCAAGGAGCCAGCAACTAT
GACTTCGTCTATGACTGTAACCTGA
```

Clone variation with respect to NM_130442.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_130442 unedited
 GGGGTTTCGNATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGCGGGTC
 TCTGTTACATGNGCTCAACTGGNAAACCTGTTTCATGAACAAGCTTACTCAGGAACCAT
 CTGGTGGTATTCCAGCACATTGTTCTTCAGGGGACGACTCTAAGTCGCTTTGTGGTGCC
 AGCAGCTTAGAATCAGTATTTGTGGTTGGGAAAGATGGACTTACGGGAGCTTGGTAATGC
 AGGTGGTGAAGGAGCAGGTTATGAGAGCACTTACAACCAAGCCTAGCTCCCTGGACCAGT
 TCAAGAGCAAACCTGCAGAACCTGAGCTACACTGAGATCCTGAAAAATCCGCCAGTCCGAGA
 GGATGAACCAGGAAGATTTCCAGTCCC GCCGATTGTTGGAACTAAAGGAGAAGATTGAGC
 CAGAAATCTTAGAGCTGATCAAACAGCAACGCCTGAACCGCCTTGTGGAAGGGACCTGCT
 TTAGGAAACTCAATGCCCGCGGAGGCAAGACAAGTTTTGGTATTGTCGGCTTTCGCCAA
 ATCACAAGTCTGCATTACGGAGACTTAGAAGAGAGTCTCAGGGAGAAGTGCCCCACG
 ATTCTTGCAGGACAACTGCCGGTGGCAGATATCAAAGCCGTGGTGACGGGAAAGGACT
 GCCCTCATATGAAAGAGAAAGGTGCCCTTAAACAACAAGGAGGTGCTTGAACCTCGCNT
 CTCCATCTTGTATGACTCAAACCTGCAACTGAACCTCATCGCTCCTGACAGCATGAGTAC
 TGTATCTGGACGGATGGACTGAATGCGCTNACTCGGAAAGACATGATGAGCGACCCTGAC
 GCGAATGACCTGNACACCCTGCTCAGCATGAAATCAAGCTCCGCCTNCTGGNACCTGGA
 AACATA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_130442 unedited
 ACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTCATCACAATCCATTTT
 ATTCCACAGCATGTTAAGGGAATGTTATTTTCAGGAAGATGTTGGGATTAATAAATT
 AAAAAAACTGGAATTCACACATTTATGTATCTTCTTTTCATTAATATATATCTGT
 TTGGCAAAAAATGTTAGACTCTTTTGTACAAAAACAAAGCAAAAAAAAAAAAAAAAAACTA
 ACCCAAACTCTTGCAAATTGTAATACAGTAATAATTACAATGATGAAACTTGGATG
 TCTGACAGCTTGACCATCCTGTGGAACCTTGAGTTGCAGCAGGACCTCCCAGGAAAAGGTA
 ACACAAACGCTTGGATAGCAACAGTCCGTCTAAAGGCATTTAGGTTTAGTCTATTA
 GATGGAGCGAGACTACTGATTTACCATTTGTGCTTTTCAGCTAAAAGGCTGGGACCGTGG
 GTGAAATGAAGAAGGCAGTTCTGGCCTGGGGCAGGGAGAGGAAACCCAGACTAGCTGG
 TGAGGAGGGAAGATTTGTACGATCACAGTGCAGACGCAAAGTGGGCATGGGACCTGTGG
 ACTGTTTGGGAAATTTATGCTAGGGAGGATCACGAGGAGGCTGCGGCTGCTGCTTTGGG
 ACCAAAGAGGAACAGAGCAGGGCAAAAACAGGGAGAGAGGTTGGAGGAGATTTGAGCGCA
 GATCTTAATTCAAGTGAAGTGGGTGTGCGNAGAGATNCTANNAAGAGGAAAAGAGGA
 TGTGGGGTTTGGTTCTTCTCATCAAATAGCTAGGGCCTTTTCTTTCAGACGGGGCCTTG
 GGGCACTGCCCTGGGTCGGNTGGGCAAATTTTGGGCANTCTGGGGCTGCTGGCTTTCCT
 GGCCAAGGGAAGAAGGGCCTGCCTGCAAAGGCTAG

Restriction Sites:

NotI-NotI

ACCN:

NM_130442

Insert Size:

2090 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: [NM_130442.1](#), [NP_569709.1](#)

RefSeq Size: 2162 bp

RefSeq ORF: 744 bp

Locus ID: 9844

UniProt ID: [Q92556](#)

Cytogenetics: 7p14.2-p14.1

Protein Pathways: Chemokine signaling pathway

Gene Summary: This gene encodes a member of the engulfment and cell motility protein family. These proteins interact with dedicator of cytokinesis proteins to promote phagocytosis and cell migration. Increased expression of this gene and dedicator of cytokinesis 1 may promote glioma cell invasion, and single nucleotide polymorphisms in this gene may be associated with diabetic nephropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (2) represents use of an alternate promoter and differs in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.