

## Product datasheet for SC316256

### ELMO1 (NM\_014800) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ELMO1 (NM\_014800) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ELMO1  
**Synonyms:** CED-12; CED12; ELMO-1  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014800 edited  
GGCGAGGATGGGCACAGGATAGAGGCAGAGCCACCCACGCCCGCCGCGCCACGCTGGG  
CGACAGAGCCTCCAGTCCCTTCAATGGTGGCGGGTCGCCGAGCTCTGATCGCCGGGA  
ACCTTGGCGCTGCTGTCTGCGACCCCAAGCAGGTATAGACACGTGTGGCCGTTTACGC  
TGTAGGATCCTCATTCCCACTGGCTTTGAACATTTTGGGACTTACAATGCCGCCACCCG  
CGGACATCGTCAAGGTGGCCATAGAATGGCCGGGCGCCTACCCAACTCATGAAATTG  
ATCAGAAAAAACACTGTCTGCAATAATAAAGGAAGTCTGTGATGGGTGGTCTCTTGCCA  
ACCATGAATATTTGCACTCCAGCATGCCGATAGTTCAAACCTTCTATATCACAGAAAAGA  
ACCGCAATGAGATAAAAAATGGCACTATCCTTCGATTAACCACATCTCCAGCTCAGAACG  
CCCAGCAGCTCCATGAACGAATCCAGTCTCGAGTATGGATGCCAAGCTGGAAGCCCTGA  
AGGACTTGGCCAGCCTCTCCCGGATGTCACGTTTGGCCAGGAGTTTATAAACCTGGACG  
GTATCTCTCTCCTCACGCAGATGGTAGAGAGCGGCACTGAGCGATACCAGAAATTGCAGA  
AGATCATGAAGCCTTGCTTTGGAGACATGCTGTCTTACCCTGACGGCCTTCGTTGAGC  
TGATGGACCATGGCATAGTGTCTGGGATACATTTTCGGTGGCGTTTATTAAAGAGATAG  
CAAGTTTTGTGAACAAGTCAGCCATAGACATCTCGATCTGCAGCGGTCTTGCCATTT  
TGGAGTCGATGGTGTCAATAGCCATGACCTCTACCAGAAAGTGGCGCAGGAGATACCA  
TCGGCCAGCTCATTCCACACCTGCAAGGGTCAGATCAAGAAATCCAAACCTATACTATTG  
CAGTGATTAATGCGCTTTTCTGAAGGCTCCTGATGAGAGGAGGCAGGAGATGGCGAATA  
TTTTGGCTCAGAAGCAACTGCGTTCCATCATTTTAAACATGTCTCCGAGCCACGCGGG  
CCATCAACAATGAGATGGCGCACCAAGCTGTATGTTCTACAAGTGCTCACCTTTAACCTCC  
TGGAAGACAGGATGATGACCAAAATGGACCCCAAGGACCAGGCTCAGAGGGACATCATAT  
TTGAACCTCGAAGAATTGCTTTTGTGCTGAGTCTGAACCTAACAACAGCAGTGGCAGCA  
TGGAGAAACGCAAGTCCATGTACACGCGAGATTATAAGAAGCTTGGGTTTATTAAATCATG  
TCAACCTGCCATGGACTTACGCAGACTCCACCTGGGATGTTGGCTCTGGACAACATGC  
TGTACTTTGCCAAGCACCACCAAGATGCCTACATCCGGATTGTGCTTGAAGACAGTAGTC  
GAGAAGACAAGCATGAATGTCCCTTTGGCCGAGTAGTATAGAGCTGACCAAGATGCTAT  
GTGAGATCTTGAAGTGGCGAGTTGCCTAGTGAGACCTGCAACGACTTCCACCCGATGT



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TCTTCACCCACGACAGATCCTTTGAGGAGTTTTCTGCATCTGTATCCAGCTCCTGAACA  
 AGACATGGAAGGAAATGAGGGCAACTTCTGAAGACTTCAACAAGGTAATGCAGGTGGTGA  
 AGGAGCAGGTTATGAGAGCACTTACAACCAAGCCTAGCTCCCTGGACCAGTTCAAGAGCA  
 AACTGCAGAACCTGAGCTACACTGAGATCCTGAAAATCCGCCAGTCCGAGAGGATGAACC  
 AGGAAGATTTCCAGTCCCGCCGATTTTGGAACTAAAGGAGAAGATTCAGCCAGAAATCT  
 TAGAGCTGATCAAACAGCAACGCCTGAACCGCCTTGTTGGAAGGGACCTGCTTTAGGAAAC  
 TCAATGCCCGGCGGAGGCAAGACAAGTTTTGGTATTGTCGGCTTCGCCAAATCACAAAG  
 TCCTGCATTACGGAGACTTAGAAGAGAGTCTCAGGGAGAAGTGCCCCAGGATTCCTTGC  
 AGGACAAACTGCCGTTGGCAGATATCAAAGCCGTGGTGACGGGAAAGGACTGCCCTCATA  
 TGAAAGAGAAAGGTGCCCTTAAACAAAACAAGGAGGTGCTTGAACCTGCTTTCTCCATCT  
 TGTATGACTCAAAGTCCAACTGAACTTCATCGCTCCTGACAAGCATGAGTACTGTATCT  
 GGACGGATGGACTGAATGCGCTACTCGGGAAGGACATGATGAGCGACCTGACGCGGAATG  
 ACCTGGACACCCTGCTCAGCATGGAATCAAGCTCCGCCTCCTGGACCTGGAAAACATCC  
 AGATCCCTGACGCACCTCCGCCGATTTCCAAGGAGCCCAGCAACTATGACTTCGTCTATG  
 ACTGTAAGTGAAGTGGCCGGGCCAGACATGCCCTTCCAAAACGGAACACCTAGCTAA  
 CAGGAGAGAGGAATGAAAACACACCCACGCCTTGGAACCGTCCTTTGGTAAAGGGGAGCT  
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 CATCTTGCTCACCGCCCTGATTCTGTTCCCTCGGCTCCACTGCTTCAGGTCACTTCCCATG  
 GCTGCAGTCCACTGGTGGGACAAGAGCAAAGCCCACTGCCAGTAAGAAGGCCAAAGGGCC  
 CTTCCATCCTAGCCCTCTGCAGGCATGCCCTTCCCTTCCCTTGGGCAGGAAAGCCAGCAGC  
 CCCAGACTGCCAAAAAATTGCCACCAGACCAAGGGCAGTGCCCAAGGCCCTGTCTG  
 GAGGAAATGGCCTAGCTATTTGATGAGAAGACCAAAACCCACATCCTCCTTCCCTCTC  
 TCTAGAATCATCTCGCACACCAGTTACACTTGAATTAAGATCTGCGCTCAAATCTCCTC  
 CCACCTCTCCTCCCTGCTTTTGCCTTGTCTGTTCCCTTTTGGTCCCAAGAGCAGCAGCCG  
 CAGCCTCCTCGTGATCCTCCCTAGCATAAATTTCCCAAACAGTCCACAGTCCCATGCC  
 ACTTTGCGTCTGCACTGTGATCGTGACAAATCTCCCTCCTCACCAGCTAGTCTGGGGTT  
 TCCTCTCCCTGCCAGGCCAGAACTGCCTTCTTCAATTCACCCACGCTCCCAGCCTCT  
 TAGCTGAAAGCACAAATGGTGAATCAGTAGTCTCGCTCCATCTCTAATAGACTAAACCT  
 AAATGCCTCTAGGACGGACTGTTGCTATCCAAGCGTTTGGTGTACCTTCTCCTGGGAGG  
 TCCTGCTGCAACTCAAGTCCACAGGATGGTCAAGCTGCAGACATCAAGTTTACATCA  
 TTGTAATTATTACTGGTATTTACAATTTGCAAGAGTTTTGGGTTAGTTTTTTTTTTTTTT  
 TTTGCTTTGTTTTGTACAAAAGAGTCTAACATTTTTTGGCAAACAGATATATATTTAAT  
 GAAAAGAAGATACATAAATGTGTGAATTTCCAGTTTTTTTTTAAATTTTTAATCCCA  
 AACATCTTCTGAAAATAACATTCCTTAAACATGCTGTGGAATAAAATGGATTGTGATG  
 ATTTGGAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_014800
- Insert Size:** 3600 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_014800.9.
- 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\\_014800.9](#), [NP\\_055615.8](#)

**RefSeq Size:** 3727 bp

**RefSeq ORF:** 2184 bp

**Locus ID:** 9844

**UniProt ID:** [Q92556](#)

**Cytogenetics:** 7p14.2-p14.1

**Domains:** DUF609

**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 (1) encodes the longer isoform (1). Variants 1, 4 and 5 encode the same isoform. 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.