

## Product datasheet for **SC329809**

### **ELMO1 (NM\_001206480) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ELMO1 (NM_001206480) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELMO1
Synonyms:	CED-12; CED12; ELMO-1
Vector:	pCMV6-Entry (PS100001)

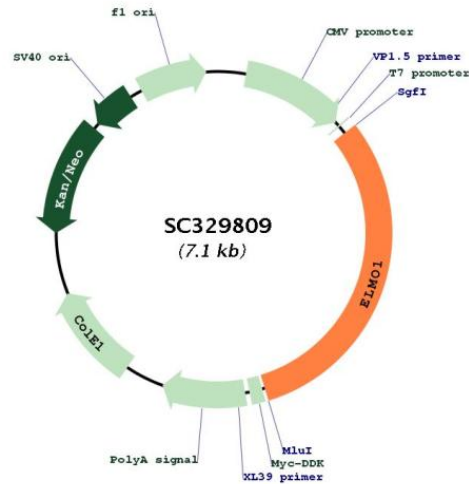


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Fully Sequenced ORF: >SC329809 representing NM\_001206480.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCGCCACCCGCGGACATCGTCAAGGTGGCCATAGAATGGCCGGGCGCCTACCCCAAACCTCATGGAA
ATTGATCAGAAAAACCCTGTCTGCAATAATAAAGGAAGTCTGTGATGGGTGGTCTCTTGCCAACCAT
GAATATTTGCACTCCAGCATGCCGATAGTTCAAACCTTCTATATCACAGAAAAGAACCGAATGAGATA
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AGCATGGAAATCAAGCTCCGCTCCTGGACCTGGAAAACATCCAGATCCCTGACGCACCTCCGCCGATT
CCCAAGGAGCCAGCAACTATGACTTCGTCTATGACTGTAACTGA
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001206480

**Insert Size:** 2184 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\\_001206480.2](#)

**RefSeq Size:** 5369 bp

**RefSeq ORF:** 2184 bp

**Locus ID:** 9844

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

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

**Protein Pathways:** Chemokine signaling pathway

**MW:** 83.8 kDa

**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 (4) differs in the 5' UTR, compared to variant 1. Variants 1, 4 and 5 encode the same isoform (1). 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.