

Product datasheet for **RC233105**

ELMO1 (NM_001206480) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELMO1 (NM_001206480) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELMO1
Synonyms:	CED-12; CED12; ELMO-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC233105 representing NM_001206480
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCCACCCGCGACATCGTCAAGGTGGCCATAGAATGGCCGGGCGCCTACCCAAACTCATGGAAA
TTGATCAGAAAAAACCACTGTCTGCAATAATAAGGAAGTCTGTGATGGGTGGTCTCTTGCCAACCATGA
ATATTTTGCCTCCAGCATGCCGATAGTTCAAACCTTCTATATCACAGAAAAGAACCAGCAATGAGATAAAA
AATGGCACTATCCTTCGATTAACCAACATCTCCAGCTCAGAACGCCAGCAGCTCCATGAACGAATCCAGT
CCTCGAGTATGGATGCCAAGCTGGAAGCCCTGAAGGACTTGGCCAGCCTCTCCCGGGATGTCACGTTTGC
CCAGGAGTTTATAAACCTGGACGGTATCTCTCCTCACGCAGATGGTAGAGAGCGGCAGCTGAGCGATAC
CAGAAATTGCAGAAGATCATGAAGCCTTGCTTTGGAGACATGCTGTCCTTCAACCCTGACGGCCTTCGTTG
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GAGGAGGCAGGAGATGGCGAATATTTGGCTCAGAAGCAACTGCGTTCATTTTAACACATGTCATC
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CTGGAAAACATCCAGATCCCTGACGCACCTCCGCCGATTTCCAAGGAGCCAGCAACTATGACTTCGTCT
ATGACTGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC233105 representing NM_001206480
Red=Cloning site Green=Tags(s)

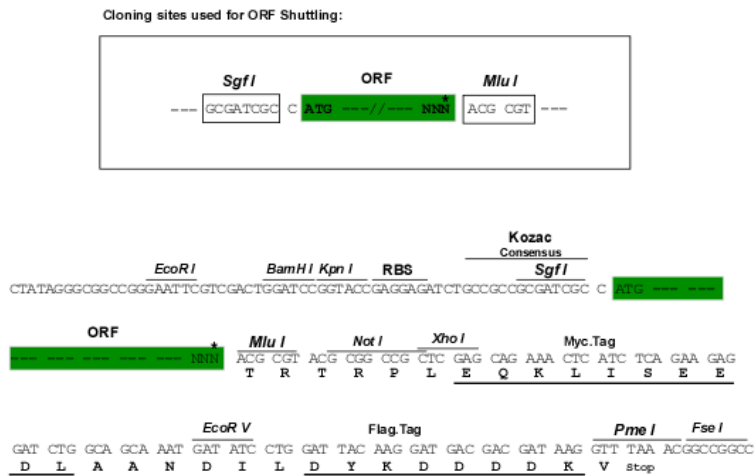
MPPPADIVKVAIEWPGAYPKLMEIDQKKPLSAIIKEVCDGWSLANHEYFALQHADSSNFYITEKNRNEIK
 NGTILRLTTSPAQNAQQLHERIQSSMDAKLEALKDLASL SRDVTFAQEFINLDGISLLTQMVESGTERY
 QKLQKIMKPCFGDMLSFTLTAFVELMDHGI VSWDTFSVAFIKKIASFVNKSAIDISILQRSLAILESMVL
 NSHDL YQKVAQEITIGQLIPHLQGS DQEIQTYTIAVINALFLKAPDERRQEMANILAQKQLRSIILTHVI
 RAQRAINNEMAHQLYVLQVLT FNLL EDRMMTKMDPQDQAQRDIIFELRRIAFDAESEPNSSSGSMEKRKS
 MYTRDYKKLGF INHVNPAMDFTQTPPGMLALDNMLYFAKHHQDAYIRIVLENSSREDKHECPFGRSSIEL
 TKMLCEILKVGELPSETCND FHPMFFTHDRSFEEFFCICIQLLNKTWKEMRATSEDFNKVMQVVKEQVMR
 ALTTKPSL DQFKSKLQNL SYTEILKIRQSERMNQEDFQSRPILELKEKIQPEILELIKQRLNRLVEGT
 CFRKLNARRRQDKFWYCR LSPNHKVLHYGDLEES PQGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGA
 LKQNKVELELAFSILYDSNCQLNFIAPDKHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSMEIKLRLLD
 LENIQIPDAPPPIPKEPSNYDFVYDCN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4196_b01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001206480

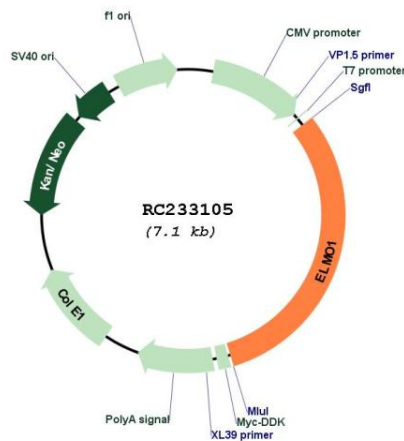
ORF Size: 2181 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001206480.2</u> , <u>NP_001193409.1</u>
RefSeq Size:	5369 bp
RefSeq ORF:	2184 bp
Locus ID:	9844
UniProt ID:	<u>Q92556</u>
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]

Product images:



Circular map for RC233105