

Product datasheet for **MC212310**

Elmo1 (NM_198093) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo1 (NM_198093) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elmo1
Synonyms:	6330578D22Rik; C230095H21Rik; CED-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212310 representing NM_198093 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGTGGTGAAGGAGCAGGTTATGAGAGCGCTTACAACCAAGCCTAGTTCCTGGACCAGTTCAAAA
GCAAGCTGCAAAACCTGAGCTACACCGAGATCCTGAAAATCCGCCAGTCTGAGAGGATGAACCAGGAAGA
TTTCCAGTCTCGCCGATTTTGGAACTAAAGGAGAAGATCCAGCCAGAAATCTTAGAGCTGATTAACAG
CAGCGCCTGAACCGCCTTGTGGAAGGGACCTGCTTTAGGAACTCAATGCTCGCCGGAGACAAGACAAGT
TTTGGTATTGTCGGCTTTCACCAAATCACAAAGTCTTACATTATGGCGACTTGGAAGAGAGCCCCAAGG
AGAAGTGCCACGATTCCTGCAGGACAAATTGCCGGTGGCAGATATCAAAGCAGTGGTACGGGAAAG
GACTGCCCTCATATGAAAGAGAAAGGTGCCCTTAAACAAAACAAGGAGGTGCTTGAACCTGCTTTCTCCA
TCTTATACGACTCAAATTGCCAACTGAACCTCATTGCTCCTGATAAGCATGAGTACTGCATCTGGACAGA
TGGGCTGAATGCACTGCTTGGGAAGGACATGATGAGTGACCTGACACGCAATGACCTGGACACCTGCTG
AGCATGGAGATCAAGCTTCGCCTGCTGGACCTGGAAAACATCCAGATCCCGGATGCACCTCCGCCTATCC
CCAAGGAACCTAGCAACTATGACTTTGTCTATGACTGTAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_198093
Insert Size:	744 bp



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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:	<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:	NM_198093.3 , NP_932761.1
RefSeq Size:	4114 bp
RefSeq ORF:	744 bp
Locus ID:	140580
UniProt ID:	Q8BPU7
Cytogenetics:	13 A2
Gene Summary:	<p>Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Acts in association with DOCK1 and CRK. Was initially proposed to be required in complex with DOCK1 to activate Rac Rho small GTPases. May enhance the guanine nucleotide exchange factor (GEF) activity of DOCK1 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and differs in the 5' UTR and 5' coding region, compared to variant 3. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 3.</p>