

Product datasheet for **MC221117**

Elmo1 (NM_080288) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo1 (NM_080288) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elmo1
Synonyms:	6330578D22Rik; C230095H21Rik; CED-12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221117 representing NM_080288
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCGCCTTCGGACATCGTGAAGGTGGCCATAGAATGGCCTGGCGCTACCCTAAACTCATGGAGA
 TTGACCAGAAAAAGCCACTGTCTGCCATTATAAAGGAAGTCTGTGATGGGTGGTCTTTGCCAACCATGA
 ATATTTTGCACACTGCAGCACGCTGATAGTTCAAACCTTCTACATCACAGAAAAGAATCGCAACGAAATAAAA
 AATGGCACGATCCTTCGATTAACACATCTCCAGCTCAGAATGCCCAGCAGCTCCATGAACGAATACAGT
 CATCAAGTATGGATGCCAAGTTGGAAGCCCTGAAGGACTTGGCCAGCCTCTCCCGGGATGTTACCTTTGC
 TCAGGAGTTCATAAACCTGGATGGCATCTCACTTCTCACTCAGATGGTGGAAAGTGGCACTGAACGATAC
 CAGAAGTGCAGAAGATTATGAAGCCCTGCTTTGGAGACATGCTGCCTTCACTCTCACAGCCTTTGTGG
 AGTTGATGGACCACGGCATTGTATCATGGGATACATTCTCAGTGGCCTTCATTAAGAAGATGCCAGCTT
 TGTGAACAAGTCTGCCATAGACATCTCAATCCTCCAGCGTCTTGGCCATTCTGGAGTCAATGGTTCTC
 AACAGTCATGACCTCTACCAAAGGTAGCCAGGAGATACCATTGGCCAACTATTCTCATCTTCAGG
 GGACAGACCAAGAAATACAACTTACACATTGCTGTAATCAACGCACCTTTCTCAAAGCTCTGATGA
 GAGGAGACAGGAGATGGCGAATATTTGGCTCAGAAGCAGCTGCCTACATCATTTTAACACATGTCATC
 CGAGCACAGCGGCCATCAACAATGAGATGGCACACCAGTTATATGTTCTCCAAGTGTGACCTTTAAC
 TTCTGGAAGACAGGATGATGACTAAGATGGACCCAGGACCAGGCCAAAGGGACATCATATTTGAACT
 TCGAAGAATTGCTTCGATGCAGAGTCAGAACCTAATAACAGCAGTGGCAGCATGGAGAAACGCAAGTCC
 ATGTACACTCGGATTATAAAAAACTTGGCTTCAATTAATCACGTCAATCCTGCCATGGACTTCACACAGA
 CCCCTCCTGGGATGCTGGCTCTGGACAACATGCTGTATTTGCTAAGCACCACCAGGATGCATACATCCG
 GATCGTGCTAGAGAACAGCAGCCGAGAAGATAAACATGAGTGCCCTTCGGCCGACAGTATAGAGCTG
 ACCAAGATGCTGTGTGAGATCCTCAAAGTGGGCGAGCTGCCTAGTGAGACCTGCAACGACTTTCACCCGA
 TGTCTTACCCATGACAGATCTTTGAGGAATCTTCTGCATTTGCATTCAACTCCTGAACAAAACATG
 GAAGGAAATGAGGGCAACATCTGAAGACTTCAACAAGGTAATGCAGTGGTGAAGGAGCAGGTTATGAGA
 GCGCTTACAACCAAGCTAGTTCCTGGACCAGTTCAAAGCAAGCTGCAAAACCTGAGCTACACCGAGA
 TCCTGAAATCCGCCAGTCTGAGAGGATGAACCAGGAAGATTTCCAGTCTCGCCGATTTTGAACATAAA
 GGAGAAGATCCAGCCAGAAATCTTAGAGCTGATTAACAGCAGCGCTGAACCGCCTTGGAAGGGACC
 TGCTTTAGGAACTCAATGCTCGCCGGAGACAAGACAAGTTTGGTATTGTCGGCTTTCACCAAATCACA
 AGGTCTTACATTATGGCGACTTGAAGAGAGCCCAAGGAGAAGTGCCCAACGATTCCCTGCAGGACAA
 ATTGCCGGTGGCAGATATCAAAGCAGTGGTGACGGGAAAGGACTGCCCTCATATGAAAGAGAAAGGTGCC
 CTTAAACAAAACAAGGAGGTGCTTGAACCTGCTTTCTCCATCTTATACGACTCAAATTGCCAACTGAACT
 TCATTGCTCCTGATAAGCATGAGTACTGCATCTGGACAGATGGGCTGAATGCACTGCTTGGGAAGGACAT
 GATGAGTGACCTGACACGCAATGACCTGGACACCCTGCTGAGCATGGAGATCAAGCTTCGCTGCTGGAC
 CTGGAAAACATCCAGATCCCGGATGCACCTCCGCCTATCCCAAGGAACCTAGCAACTATGACTTTGTCT
 ATGACTGTAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080288

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:	<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_080288.2</u> , <u>NP_525027.1</u>
RefSeq Size:	5576 bp
RefSeq ORF:	2184 bp
Locus ID:	140580
UniProt ID:	<u>Q8BPU7</u>
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 (3) represents the longer transcript and encodes the longer isoform (3). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>