

## Product datasheet for MC217958

### Elmo1 (BC031782) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo1 (BC031782) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elmo1
Synonyms:	CED-12, 6330578D22Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC031782 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATGACTAAGATGGACCCCAAGGACATCATATTTGAACTCGAAGAATTGCTT  
TCGATGCAGAGTCAGAACCTAATAACAGCAGTGGCAGCATGGAGAAACGCAAGTCCATGTACACTCGGGA  
TTATAAAAACTTGGCTTCATTAATCACGTCAATCCTGCCATGGACTTCACACAGACCCCTCCTGGGATG  
TTGGCTCTGGACAACATGCTGTATTTTCGCTAAGCACCACAGGATGCATACATCCGGATCGTGTGGAGA  
ACAGCAGCCGAGAAGATAAACATGAGTGCCCTTCGGCCGAGCAGTATAGAGCTGACCAAGATGCTGTG  
TGAGATCTGAAAGTGGGCGAGCTGCCTAGTGAGACCTGCAACGACTTTCACCCGATGTTCTTACCCAT  
GACAGATCTTTTGGAAATTTCTTCTGCATTTGCATTCAACTCCTGAACAAAACATGGAAGGAAATGAGGG  
CAACATCTGAAGACTTCAACAAGGTAATGCAGGTGGTGAAGGAGCAGGTTATGAGAGCGCTTACAACCA  
GCCTAGTTCCTGGACCAGTTCAAAGCAAGCTGCAAAACCTGAGCTACACCGAGATCCTGAAAATCCGC  
CAGTCTGAGAGGATGAACCAGGAAGATTTCCAGTCTCGCCGATTTTGGAACTAAAGGAGAAGATCCAGC  
CAGAAATCTTAGAGCTGATTAACAGCAGCGCCTGAACCGCTTGTGGAAGGGACCTGCTTAGGAACT  
CAATGCTCGCCGAGACAAGACAAGTTTTGGTATTGTCGGCTTTCACCAATCACAAGGTCTTACATTAT  
GGTGACTTGAAGAGAGCCCAAGGAGAAGTGCCCCACGATTCCCTGCAGGACAAATTGCCGGTGGCAG  
ATATCAAAGCAGTGGTGACGGGAAAGGACTGCCCTCATATGAAAGAGAAAGGTGCCCTTAAACAAAACAA  
GGAGGTGCTTGAAGTGTCTTCTCCATCTTATACGACTCAAATTGCCAAGTGAAGTTCATTGCTCCTGAT  
AAGCATGAGTACTGCATCTGGACAGATGGGCTGAATGCACTGCTTGGGAAGGACATGATGAGTGACCTGA  
CACGCAATGACCTGGACACCCTGCTGAGCATGGAGATCAAGCTTCGCCTGCTGGACCTGGAAAACATCCA  
GATCCCGATGCACCTCCGCCTATCCCAAGGAACCTAGCAACTATGACTTTGTCTATGACTGTAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	BC031782
<b>Insert Size:</b>	1260 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC031782</a> , <a href="#">AAH31782</a>
<b>RefSeq Size:</b>	2540 bp
<b>RefSeq ORF:</b>	1259 bp
<b>Locus ID:</b>	140580
<b>Cytogenetics:</b>	13 A2
<b>Gene Summary:</b>	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]