

## Product datasheet for **MC201732**

### Elmo2 (NM\_207706) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo2 (NM_207706) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elmo2
Synonyms:	1190002F24Rik; CED-12
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC023954 sequence for NM\_207706  
 CCACGCGTCCGGACGCGGGCGGGAGCTGGGCCTCGGCGGGTGCCGGGCAGCTGTGTCTTGAAGAAGGGC  
 CCGCCGGGAACAATGCCGCTCCGTCTGACATTGTCAAAGTGGCCATCGAGTGGCCAGGTGCTAACGCCC  
 AGCTCCTTGAATTGACCAGAAACGGCCGCTGGCATCCATCATCAAGGAGGTGTGCGATGGTGGTCACT  
 GCCGAACCCGGAGTACTACACCTCCGCTATGCAGATGGGCCTCAGCTCTACGTCACGGAGCAGACCCGA  
 AATGACATTAAGAACGGGACAATCTTAACTGGCCGCTCCCCGTCCCGGGTGCACGCCAGCTGATGG  
 AAAGACCCAGTCATCTAGTATGGAGACCCGGCTGGATGCCATGAAGGAGTTGGCTAAGCTCTCAGCTGA  
 CGTGACTTTCGCCACGGAGTTCATTAACATGGACGGCATATTGTGCTGACGAGGCTCGTGAGAGTGGG  
 ACCAAGCTCCTGTCCACTACAGTGAGATGCTGGCATTACCCTGACTGCCTTCTTAGAGCTCATGGATC  
 ATGGCATTGTCTCCTGGGACATGGTTTCAGTCACCTTTATTAAGCAGATTGCAGGGTACGTGAGCCAGCC  
 CATGGTCGATGTCTCCATCCTCCAGCGTCCCTGGCCATCCTAGAGAGCATGGTACTAAACAGCCAGAGC  
 CTGTACCAGAAGATAGCGGAGGAGATCACCGTGGGACAGCTCATCTCCACCTGCAGGTCTCCAACCAGG  
 AGATCCAGACCTACGCCATTGCTCTGATTAACGCGCTGTCTGAAGGCCCCGAAGACAAGAGACAGGA  
 CAAGCACCTTAACCTCTAGACCTGCCGTCAGTACATGGCCAATGCCTTTCACAGAAGCACCTTCGG  
 TCCATAATCCTGAACCATGTGATCAGAGGGAATCGTCCAATCAAACAGAGATGGCCCATCAGCTGTATG  
 TCCTTCAGGTCTTGACCTTAACTTCTGGAAGAAAGAATGATGACCAAGATGGATCCCAATGACCAAGC  
 TCAGAGAGACATTATATTTGAAGTGAAGGAGATTGCCTTCGACGCGAGAGTCTGACCCAGCAACGTCCTCC  
 GGGAGTGGGACTGAAAAGCGCAAGGCCATGTATACCAAGGACTATAAAATGCTGGGCTTCAACAACCATA  
 TCAACCCAGCCTTGACTTCACCCAGACTCCTCCTGGAATGCTGGCGCTGGACAACATGTGTACCTGGC  
 TAAAGTCCACCAGGACACCTACATCCGGATCGTGTGAGAACAGCAGTCCGGAGGACAAACACGAGTGT  
 CCGTTCGGCCGCAAGTCCATCGAGCTCACCAAGATGCTCTGTGAGATCCTGCAGGTCCGGGAGCTCCCTA  
 ATGAAGGGCGCAATGACTACCACCCATGTTCTTACCCACGACCGAGCCTTCGAGGAACCTTTCGGGAT  
 CTGCATCCAGCTGCTGAACAAGACCTGGAAGGAGATGAGGGCGACAGCCGAGGATTTCAACAAGGTTATG  
 CAAGTTGTCGAGAGCAGATCACCCGGCTCTGCCCTCTAAACCAACTCTTTGGATCAGTTCAAGAGTA  
 AACTTCGTAGCCTGAGCTACTCAGAAATCTGCGGTTGCCCAAGTCTGAGAGGATGAGCCAGGATGATTT  
 CCAGTCCCCACCAATTGTGGAGCTTCGAGAGAAGATACAGCCTGAGATCCTGGAGCTGATCAAGCAACAG  
 CGCCTCAACCGGCTATGCGAGGGCAGCAGCTTCCGGAATAACGGAACCGTCTGCGCAAGAGAGTTCT  
 GGCCTGCGGCTTGGCACTGAACCACAAGGTTTTGCATTACGGTACTTGGATGACAACCTCAAGGGGA  
 GGTGACATTGCAATCCCTGCAGGAGAAAATTCCTGTTGCAGATATTAAGGCCATTGTTACTGAAAAAGAC  
 TGTCTCATATGAAAGAGAAGAGTGCCTGAAACAGAACAAGGAGGTGTTGGAATTGGCCTTCTCCATCC  
 TGTATGATCCTGATGAGACACTGAATTTTATTGCTCCCAACAAGTATGAGTACTGCATCTGGATTGATGG  
 ACTCAGCGCTCTCCTGGGAAAGGATATGTCCAGCGAGCTAACCAAGAGCGACTTGACACCGCTGCTGAGC  
 ATGGAGATGAAGCTGCGGCTTCTGGACTTGGAGAACATTAGATCCCCGAGGCGCCACCTCCGGTCCCCA  
 AGGAGCCCAGCAGCTATGACTTCGTCTATCACTATGGCTGAGCGGGAAGGGACTGGGGCCAGGAGAGAC  
 ACTGGCAGCCCACGCCACTTGTACAAACTCTGTAGTGATTGTGGTAACTACTCCTCAGAGCCAGTGGGAC  
 CCAGAGCTTCTCTGTCCCATCCACCAGGAGTCAAGTCAAGGCGATGCTGCCCTCCTCAGCACCACA  
 GAGCCTGGGTCCGGCTTGGAGGGTGAACCTCATGAGGCTCCTGCCTCCCGCTCTGCGTACATCTGCATC  
 TGGTACTGGACCTACTGACAGCCATCCCCTTCCCTTCAAGTCTCCTCTCTGGTTTGTGGAGAGCCAT  
 GTGGGCCAAAGCTGGTCCATGAAAGGCTGACCATGGGGCAAGAGGCCTGGGGAGCTCGGTGAGAGCCTC  
 GGAGTACTGTCTTCAGTGGCTCAGGCAAGAACAGGCCTTGGAGTCTGCTTAATAGGTCTCTGAGGGC  
 TCATCCCAGCCTCGTCTGTGCCTCATGTCTGCTGCTTGGGTTTGGCCCTACCATGTCTAGTCTCTAG  
 AGACACCCGTCTCTTGTCTTGCAGGTATCAGGACAGGTAGTAATTTTGGCCCAAGCCCTCAGCCTCA  
 TCCTGGCCAGGCAGAGGCTCCAGCCTGAGTCTGCTCTTAGGCTTTAGGAATGAACACTGCAGGGAA  
 AGGCAGGTGAGGCTCTGGTCCCCCTACCCCTCAGTCTCTCTTCTTCTGCTGAGGACAATATTC  
 CCATGCCCCCTCAGTTACAGGCCCTCCGTTTGTCTTCCCTCCTGCCTCAGACAGGGGTGTGCCTCCCT  
 TTCTCCCCTTCTGGCGCTGTGGTTTGTGCCATTAGCCATGATTTACAGCGGCTGGGGCCACAGCTGTG  
 CCACGGCCTTCATTGGTGTGCAGCACTGGAAGCCACGCGCACAGCCTTTTCTTGGACGCATGTTAC  
 CATGGTGGTATTAGTACTGGTAGCCTGGCATGGTGGTACTACCCAGTGAAGAGTGTACTATATATTTT  
 CTTTACTATAGGCCATACTTATACAGACATGTATATATATTTATATAAGATCTTCTATCTTAGGATAGA  
 ATGTTTAAAGGAAAAATAAAATCAAGAACAAAAGTGTAGTCTCAGTCTGAGCTGTGAGTGTAAACCAG  
 AGAGCAGCCAGGAGCTTCTGTGAGTGTGTTTTCAATAAATACTCTTTCATGTAAAAAATAAAAAA A

<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_207706
<b>Insert Size:</b>	2199 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="#">BC023954</a> , <a href="#">AAH23954</a>
<b>RefSeq Size:</b>	3501 bp
<b>RefSeq ORF:</b>	2199 bp
<b>Locus ID:</b>	140579
<b>UniProt ID:</b>	<a href="#">Q8BHL5</a>
<b>Cytogenetics:</b>	2 H3
<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] Transcript Variant: This variant (2) encodes the longest isoform (2).