

Product datasheet for **RN207484**

Elmo3 (NM_001030028) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo3 (NM_001030028) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Elmo3
Synonyms:	MGC124673
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207484 representing NM_001030028
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCCCCGGAATGTGGTGAAGATTGCCGTTGAGATGTCTGACGCCATCCCACAGCTTATCCAGC
 TAGACCAGGCAAAGCCCCGTCGACTGTTCTGAAGGAGGTGTGTGACACGTGGAGCCTGACTCATCCGGA
 GCACTATGCCCTTCAGTTTGTGATGGGCACAGAAATACATCACAGAGAATAACCGCTCGGAGATCAAG
 AATGGAAGCATCCTGTGCCTCAGTACTGCCCCAGATCTGAAGGCCAGCAGCTACTGAGTAGGCTGCAGA
 ATGCGAGTCGTGAAGGTGCTGTGAAGTCTGAGAAACCTGGTCCCGCTGGCCTCAGACATGACCTTTGC
 CCAGGAGTTCATCAGTCGTGATGGGCTTCAGAAATTAAGCACCATCATTGAAAATGGGGATGACCTAGGG
 GAGATGCTGGCCCTTGGGCTAAGGGCTTCTGGAGCTCATGGAACACGGAGTAGTGTCTGGGAGACAC
 TCAGCATTTCTTTGTCAGGAAGGTGGTATCTTATGTGAACATGAACTTGTGGATGCCTCTGTGCAGCC
 CCTGGCCCTCAGGCTACTGGAGAGTGTGACCCTGAGCAGCCCTACCCTGGCCAGCTGGTGAAGAGTGGAG
 GTGCCACTAGACAGGCTGCTAGTGCACCTGCAGGTAATGAACCAGCAGCTGCAAACCAAGGCTATGGCAC
 TGCTGACAGCCCTGCTGCAGGGGCCAGCCCTGCTGAGCGTAAGGACATGCTTACTGCCTATGGAAGAA
 GAATCTTCGCCAGTTCATCTACAAGAACATCATCCACAGTGCAGCACCCATGGGTGACGAGATGGCTCAT
 CACTTGTATGTGCTGCAGGCTCTAACACTGGGGCTGCTGGAGCCACGATGCGGACACCCCTTGATCCCT
 ACAGCCAGGAGCAGCGGGAGCAGCTACAGGCCCTGCGCCAGGCAGCCTTTGAACCAGACGGGGAGTCCCT
 GGGCACAGGCTGAGTGTGACCGCCCGGGTCTCTCTGTGTCCGAGAGTCCGCAAGCTAGGCTTCTCC
 AATAGCAGCCCCGGCCAGGACCTGGAACGTGTGCCCTTGGCCTACTGGCCCTGGACAACATGCTCTACT
 TCTCCAGACATGCGCCTAGTGCATACAGTCGGTTCGTGTTGGAGAACAGTAGCCGAGAGGACAAGCATGA
 ATGCCCTTTGCCCGGAGCAGCATTGAGCTGACAGTGTGCTGTGAGCTGCTCCATGTTGGGGAGCCT
 TGCTCCGAGACCGCCAGGACTTCTCACCCATGTTCTTACGCAAGACCAGATTTCCATGAGCTCTTTT
 GTGTGGCTATCCAGTGTGAATAAGACCTGGAAGGAAATGCGGGCAACACAGGAGGATTTTGACAAGGT
 AATGCAGGTGGTTCGGGAACAGCTAGCCCGTACCCTGGCTCTGAAGCCCACCTCTCTGGAGCTCTTTGGA
 ACCAAAGTAAATGCCCTCACCTATGGGGAAGTGTGAGGCTGCGACAGACAGAGCGGCTGCACCAAGAGG
 GCACATTTGGCCCTCCTATCTTGGAGCTCCGAGAGAAGCTGAAGCCAGAGCTCATGGGTTTAAATCCGCCA
 GCAGCGTTTGTCCGACTCTGTGAGGGAATGCTCTTCCGCAAGATCAGCAGCCGGAGACGCCAGGACAAG
 CTATGGTTTTGCTGTTTATCCCCAACCATAAAGTACTGCAGTATGGCGATGTGGAGGAGGGCGCCAACC
 CTCCACCTTAGAAAGCCTAACTGAACAACTCCCTGTGGCTGACATCAGGGCACTCCTAATGGGCAAGGA
 CTGCCCCATGTCCGGGAGAAGGGCTCTGGGAAGCAGAAACAAGGACCTCTATGAGTTGGCCTTCTCCATC
 AGCTATGACCATGGGGAGGAAGAAGCATACCTCAACTTATTGCCCCCTCAAACGGGATTTCTACCTGT
 GGACAGATGGACTGAGTGCCTGCTGGGAGTACTATGGGGAGTGAACAGACTCGGCTAGACCTGGAGCA
 GCTGCTCACTATGGAGACCAAGTTGCGGTTGTTGGAACGGAGAATGTGCCCATCTCTGAGCATCTCCC
 CCAGTACCCACCTCTACCACTTTAACTTCTGCTATGACTACAGCATGACTGAGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001030028
Insert Size: 2163 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_001030028.1</u> , <u>NP_001025199.1</u>
RefSeq Size:	2469 bp
RefSeq ORF:	2163 bp
Locus ID:	291962
UniProt ID:	<u>Q499U2</u>
Cytogenetics:	19q11
Gene Summary:	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]