

Product datasheet for **RN207686**

Elmo2 (NM_001134955) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Elmo2 (NM_001134955) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Elmo2 |
| Synonyms: | MGC109347 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN207686 representing NM_001134955
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACCTCCGTCGGACATTGTCAAGGTGGCCATTGAATGGCCAGGTGCTAATGCCAGCTCCTTGAAA
 TTGACCAGAAACGGCCCCCTGGCATCTGTATCAAGGAAGTGTGGATGGGTGGTCACTGCCAAACCCGGA
 GTACTACACGCTCCGCTATGCAGATGGGCCACGCTCTATGTCACCGAGCAGACCCGAAGCGACATTAAA
 AATGGGACAATCTTACAACGGCCATCTCCCCGTCGCCGGCTGCACGCCAGCTGATGAAAAGGCCAGT
 CATCTAGTATGGAGACCCGGCTGGATGCCATGAAGGAGCTGGCTAAGCTCTCAGCTGACGTGACTTTCGC
 CACCGAGTTCATCAACATGGATGGCATCGTTGTGCTGACAAGGCTCGTGGAGAGTGGACCAAGCTCCTG
 TCCCACTACAGTGAATGCTGGCATTACCCTGACTGCCTTCTTAGAGCTCATGGACCATGGCATTGTCT
 CCTGGGACTTGGTTTCAATCACCTTTATTAAGCAGATTGCAGGGTACGTGAGCCAGCCCATGGCCGATG
 GTCTGTCTCCAGCGGTCCTGGCCATCTAGAGAGCATGGTACTGAACAGCCAGAGCCTATACCAGAAG
 ATAGCGGAGGAGATCACCGTGGGACAGCTCATCTCCACCTGCAGGTCTCCAACAGGAGATCCAGACCT
 ACGCCATTGCTCTGATTAACGCGCTGTTCTGAAGGCCCGGAAGACAAGAGACAGGACAAGCACCTTAA
 CCCTCTAGACCTGCCCGCACTGACATGGCCAACGCCTTTCACAGAAAGCACCTCCGGTCCATAATCCTG
 AACCATGTGATCAGAGGGAATCGACCAATCAAAACAGAGATGGCCATCAGCTCTATGTCCTTCAAGTCT
 TGACCTTTAACCTTTTGGAGAAGAATGATGACCAAGATGGATCCCAATGACCAGGCTCAAAGAGACAT
 CATATTTGAGCTGAGGAGGATTGCATTCGACGCAGAGTCTGACCCAGCAATGCCCTGGGAGTGGGACC
 GAGAAGCGCAAGGCCATGTATACCAAGGACTATAAAATGCTAGGGTCTACTAACCATATCAACCCAGCT
 TGGACTTCACCCAGACTCCTCTGGAATGCTGGCTCTGGACAACATGCTGTACCTGGCCAAAGTCCACCA
 GGACACCTACATCCGGATCGTGTGGAGAACAGTACCGGGAGGACAAACACAGAGTGTCCATTCCGACGC
 AGTGCTATTGAACTACCAAGATGCTCTGCGAGATCCTGCAGGTCCGGGAGCTCCCAAACGAAGGACGCA
 ATGACTACCACCCGATGTTCTTACCCACGACCGAGCGTTCGAGGAGCTCTTTGGGATCTGCATCCAGCT
 GCTGAACAAGACCTGAAAGAGATGAGGGCGACGGCTGAGGACTTCAACAAGGTTATGCAAGTTGTCCGA
 GAGCAGATCACCCGGCTCTGCCCTCTAAACCAACTCTTTGGATCAGTCAAGAGTAAGCTTCGTAGCC
 TGAGCTACTCAGAAATCCTGCGGCTGCGCCAGTCTGAGAGGATGAGTCAGGACGACTTCCAGTCCCCGCC
 AATCGTGGAGCTCCGAGAGAAGATCCAGCCTGAGATCCTGGAAGTCAAGCAGCAGCGCCTGAATCGG
 CTATGTGAGGGCAGCAGCTTCCGGAAGATCGGGAACCGTCCGGCAAGAAAGGTTCTGGCACTGCCGCT
 TGGCGCTGAACCAAGGTTTTGCATTATGGTACTTGGATGACAACCCCAAGGGGAGGTGACATTCTGA
 ATCCCTGCAGGAGAAAATCCCTGTTGCAGATATTAAGGCCATTGTCACTGGGAAAGACTGTCTTACATG
 AAAGAGAAGAGTCCCCTGAAACAGAAACAGGAGGTGTTGGAATTGGCCTTCTCCATCCTGTATGCTCTG
 ATGAGACTGAATTTTCATCGCTCCTAATAAGTATGAGTACTGCATCTGGATCGATGGCCTCAGCGCCCT
 TCTGGGAAGGATATGTCCAGCGAGTAACCAAGAGCGACTTGGACACACTGCTGAGCATGGAGATGAAG
 CTGCGGCTTCTGGACTTGGAGAACATTCAGATCCCTGAGGCACCACCTCCAGTCCCCAAGGAGCCCAGCA
 GCTACGACTTCGTCTATCACTATGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001134955
Insert Size: 2199 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).

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| 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_001134955.1, NP_001128427.1</u> |
| RefSeq Size: | 4577 bp |
| RefSeq ORF: | 2199 bp |
| Locus ID: | 362271 |
| Cytogenetics: | 3q42 |