

Product datasheet for **RR200545**

Elmo1 (NM_001108415) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo1 (NM_001108415) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elmo1
Synonyms:	ELMO1s
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR200545 representing NM_001108415
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCGCCCTTCGGACATCGTGAAGGTGGCCATAGAATGGCCTGGCGCCTACCCTAAACTCATGGAGA
TTGACCAGAAAAACCCTGTCTGCCATAATAAGGAAGTCTGCGATGGGTGGTCTTTGCCAACCATGA
ATATTTTCTCTGCGACATGCTGATAGTTCAAACCTTCTACATCACAGAAAAGAATCGCAACGAAATAAAA
AATGGCACTATTCTTCGATTAACCACGTCCTCCAGCTCAAATGCCAGCAGCTCCATGAACGAATACAGT
CATCAAGTATGGACGCCAAGTTGGAAGCCCTGAAGGACTTGGCCAGCCTCTCCGGGATGTTACCTTTGC
TCAGGAGTTCATAAACCTGGATGGCATTCTACTCCTCACTCAGATGGTGGAAAGTGGCACTGAACGATAC
CAGAAGTTCAGAAAGATTATGAAGCCCTGCTTTGGAGACATGCTGCCTTCACTCTCACAGCCTTTGTGG
AGCTGATGGACCATGGCATCGTGTGATGGGATACATTCTCAGTGGCGTTCATTAAGAAGATAGCAAGCTT
TGTGAACAAGTCTGCCATAGACATCTCAATCCTGCAGCGTCTTGGCCATTTTGGAGTCAATGGTTCTC
AATAGCCATGACCTCTACCAAAAGGTAGCTCAGGAGATACCATTGGCCAACTCATTCTCATCTTCAGG
GGACAGACCAAGAAATCCAGACTTACACCATGCTGTAATCAATGCACCTTTCTGAAAGCGCCTGATGA
GAGGAGACAGGAGATGGCTAATATTTTGGCTCAGAAGCAGCTGCGCTACATCTTTAAACCATGTCATC
CGAGCACAGCGGGCCATCAACAACGAGATGGCACACCAGTTATATGTTCTCCAAGTGTGACCTTTAAC
TTCTGGAAGATAGGATGATGACCAAGATGGACCCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
TCGAAGGATTGCTTTTGTGAGAGTCAAGAACGATGCTGATTTTCGCTAAGCACCACAGGATGATACATCCG
GATTGTGCTTGAGAACGACGAGCCGAGAAGATAAGCATGAATGTCCTTTTGGACGACAGTATAGAAGT
ACCAAGATGCTGTGTGAGATCCTGAAAGTGGGCGAGCTGCCTAGTGAGACCTGCAACGACTTTACCCCGA
TGTTCTTACCCATGACAGATCTTTTGAAGAGTTTTTCTGCATTTGTATCCAGCTCCTGAACAAAACATG
GAAGGAAATGAGGGCAACATCTGAAGACTTCAACAAGGTAATGCAGGTGGTGAAGGAGCAGGTTATGAGA
GCGCTTACAACCAAGCTAGCTCCCTGGACCAGTTCAAGAGCAAGCTGCAAAACCTGAGCTACACTGAGA
TCCTGAAATCCGCCAGTCTGAGAGGATGAACCAGGAAGATTTCCAGTCTCGCCGATTTTGAAGGACTAA
GGAGAAGATCCAGCCAGAAATCTTAGAGCTGATTAACAGCAGCGTCTGAATCGCCTTGTGAAGGGACC
TGCTTTAGGAACTCAATGCTCGTGGAGACAAGATAAGTTTTGGTATTGTGGCTTTACCAAAATCACA
AGGCTTTACATTATGGTACTTGAAGAGAGCCCAAGGAGAAGTGCCCATGATTCCTGCAGGACAA
ATTGCCGGTGGCAGATATCAAAGCAGTGGTACGGGAAAGGACTGCCCGCATATGAAAGGAAAGGTGCC
CTTAAACAAAACAAGGAGGTGCTTGAACCTGCTTTCTCCATCTTATGACTCAAATGGCAACTGAATT
TTATTGCTCCTGACAAGCATGAGTACTGCATCTGGACAGATGGGCTGAATGCACTGCTTGGGAAGGACAT
GATGAGTGACCTGACACGAAATGACCTGGACACCCTGCTGAGCATGGAGATCAAGCTTCGCCTACTGGAC
CTGGAAAACATCCAGATTCGGATGCACCTCCCCCATCCCCAAGGAGCCTAGCAACTATGACTTTGTTT
ATGACTGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200545 representing NM_001108415
 Red=Cloning site Green=Tags(s)

MPPPSDIVKVAIEWPGAYPKLMEIDQKKPLSAI I KEVCDGWSLANHEYFALQHADSSNFYITEKNRNEIK
 NGTILRLTTSPAQNAQQLHERIQSSMDAKLEALKDLASL SRDVTFAQEFINLDGISLLTQMVESGTERY
 QKLQKIMKPCFGDMLSFTLTAFVELMDHGIVSWDTFSVAFIKKIASFVNKSAIDISILQRSLAILESMVL
 NSHDLYQKVAQEITIGQLIPHLQGTDQEIQTYTIAVINALFLKAPDERRQEMANILAQKQLRYIILTHVI
 RAQRAINNEMAHQLYVLQVLT FNLLLED RMMTKMDPQDQAQRDIIFELRRIAFDAESEPNNSSGSMEKRKS
 MYTRDYKKLGF INHVNPAMDFTQTPPGMLALDNMLYFAKHHQDAYIRIVLENSSREDKHECPFGRSSIEL
 TKMLCEILKVGELPSETCND FHPMFFTHDRSFEEFFCICIQLLNKTKEMRATSEDFNKVMQVVKEQVMR
 ALTTKPSLSDQFKSKLQNL SYTEILKIRQSERMNQEDFQSRPILELKEKIQPEILELIKQRLNRLVEGT
 CFRKLNARRRQDKFWYCR LSPNHKVLHYGDLEESPOGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGA
 LKQNKVELELAFSILYDNCQLNFIAPDKHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSMEIKLRLLD
 LENIQIPDAPPPIPKEPSNYDFVYDCN

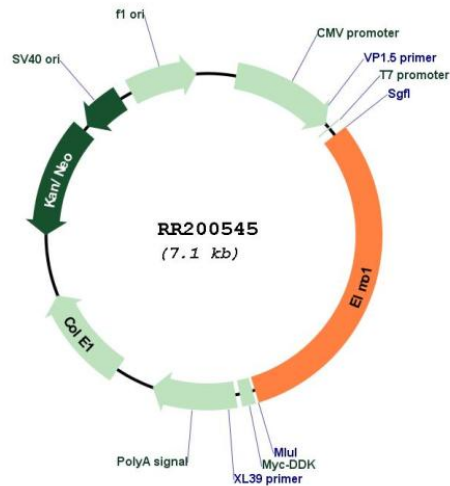
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001108415

ORF Size: 2181 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_001108415.1](#), [NP_001101885.1](#)

RefSeq Size: 3911 bp

RefSeq ORF: 2184 bp

Locus ID: 361251

Cytogenetics: 17q11
MW: 83.9 kDa