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Product datasheet for MR206637

Elmo1 (BC031782) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo1 (BC031782) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elmo1
Synonyms:	CED-12, 6330578D22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206637 representing BC031782
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGACTAAGATGGACCCCCAGGACCAGGCCCAAAGGGACATCATATTTGAACTTCGAAGAATTGCTT
TCGATGCAGAGTCAGAACCTAATAACAGCAGTGGCAGCATGGAGAAACGCAAGTCCATGTACACTCGGGA
TTATAAAAAACTTGGCTTCATTAATCACGTCAATCCTGCCATGGACTTCACACAGACCCCTCCTGGGATG
TTGGCTCTGGACAACATGCTGTATTTCGCTAAGCACCACCAGGATGCATACATCCGGATCGTGCTGGAGA
ACAGCAGCCGAGAAGATAAACATGAGTGCCCCTTCGGCCGCAGCAGTATAGAGCTGACCAAGATGCTGTG
TGAGATCCTGAAAGTGGGCGAGCTGCCTAGTGAGACCTGCAACGACTTTCACCCGATGTTCTTCACCCAT
GACAGATCTTTTGAGGAATTCTTCTGCATTTGCATTCAACTCCTGAACAAAACATGGAAGGAAATGAGGG
CAACATCTGAAGACTTCAACAAGGTAATGCAGGTGGTGAAGGAGCAGGTTATGAGAGCGCTTACAACCAA
GCCTAGTTCCCTGGACCAGTTCAAAAGCAAGCTGCAAAACCTGAGCTACACCGAGATCCTGAAAATCCGC
CAGTCTGAGAGGATGAACCAGGAAGATTTCCAGTCTCGCCCGATTTTGGAACTAAAGGAGAAGATCCAGC
CAGAAATCTTAGAGCTGATTAAACAGCAGCGCCTGAACCGCCTTGTGGAAGGGACCTGCTTTAGGAAACT
CAATGCTCGCCGGAGACAAGACAAGTTTTGGTATTGTCGGCTTTCACCAAATCACAAGGTCTTACATTAT
GGTGACTTGGAAGAGAGCCCCCAAGGAGAAGTGCCCCACGATTCCCTGCAGGACAAATTGCCGGTGGCAG
ATATCAAAGCAGTGGTGACGGGAAAGGACTGCCCTCATATGAAAGAGAAAGGTGCCCTTAAACAAAACAA
GGAGGTGCTTGAACTTGCTTTCTCCATCTTATACGACTCAAATTGCCAACTGAACTTCATTGCTCCTGAT
AAGCATGAGTACTGCATCTGGACAGATGGGCTGAATGCACTGCTTGGGAAGGACATGATGAGTGACCTGA
CACGCAATGACCTGGACACCCTGCTGAGCATGGAGATCAAGCTTCGCCTGCTGGACCTGGAAAACATCCA
GATCCCGGATGCACCTCCGCCTATCCCCAAGGAACCTAGCAACTATGACTTTGTCTATGACTGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

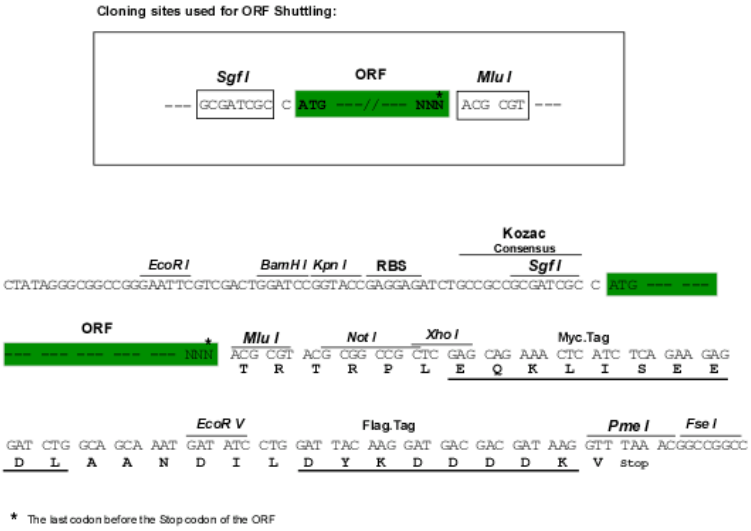
>MR206637 representing BC031782
Red=Cloning site Green=Tags(s)

MMTKMDPQDQAQRDIIFELRRIAFDAESEPNNSSGSMEKRKSMYTRDYKKLGFINHVNPAMDFTQTPPGM
LALDNMLYFAKHHQDAYIRIVLENSSREDKHECPFGRSSIELTKMLCEILKVGELPSETCNDFHPMFFTH
DRSFEEFFCICIQLLNKTWKEMRATSEDFNKVMQVVKEQVMRALTTKPSSLDQFKSKLQNLSYTEILKIR
QSERMNQEDFQSRPILELKEKIQPEILELIKQQRLNRLVEGTCFRKLNARRRQDKFWYCRLSPNHKVLHY
GDLEESPQGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGALKQNKEVLELAFSILYDSNCQLNFIAPD
KHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSMEIKLRLLDLENIQIPDAPPPIPKEPSNYDFVYDCN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031782

ORF Size: 1257 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: BC031782, AAH31782

RefSeq Size: 2540 bp

RefSeq ORF: 1259 bp

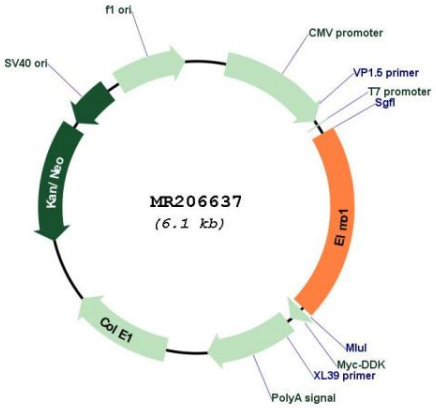
Locus ID: 140580

Cytogenetics: 13 A2

MW: 93.1 kDa

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]

Product images:



Circular map for MR206637