

Product datasheet for **MG206637**

Elmo1 (BC031782) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elmo1 (BC031782) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Elmo1
Synonyms:	CED-12, 6330578D22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206637 representing BC031782 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGACTAAGATGGACCCCCAGGACCAGGCCCAAAGGGACATCATATTTGAACCTCGAAGAATTGCTT
TCGATGCAGAGTCAGAACCTAATAACAGCAGTGGCAGCATGGAGAAACGCAAGTCCATGTACACTCGGGA
TTATAAAAACTTGGCTTCATTAATCACGTCAATCCTGCCATGGACTTCACACAGACCCCTCCTGGGATG
TTGGCTCTGGACAACATGCTGTATTCGCTAAGCACCACCAGGATGCATACATCCGGATCGTCTGGAGA
ACAGCAGCCGAGAAGATAAACATGAGTGCCCTTCGGCCGAGCAGTATAGAGCTGACCAAGATGCTGTG
TGAGATCCTGAAAGTGGCGGAGCTGCCTAGTGAGACCTGCAACGACTTTCACCCGATGTTCTTCACCCAT
GACAGATCTTTGAGGAATTCCTTCTGCATTTGCATTCACTCCTGAACAAAACATGGAAGGAAATGAGGG
CAACATCTGAAGACTTCAACAAGGTAATGCAGGTGGTGAAGGAGCAGGTTATGAGAGCGCTTACAACCA
GCCTAGTTCCTGGACCAGTTCAAAGCAAGCTGCAAAACCTGAGCTACACCGAGATCCTGAAAAATCCGC
CAGTCTGAGAGGATGAACCAGGAAGATTCCAGTCTCGCCGATTTTGGAACTAAAGGAGAAGATCCAGC
CAGAAATCTTAGAGCTGATTAACAGCAGCGCCTGAACCGCTTGTGGAAGGGACCTGCTTAGGAACT
CAATGCTCGCCGAGACAAGACAAGTTTTGGTATTGTGCGCTTTCACCAAATCACAAGGTCTTACATTAT
GGTGACTTGAAGAGAGCCCCAAGGAGAAGTGCCTCAGTTCCTGCAGGACAAATGCCGGTGGCAG
ATATCAAAGCAGTGGTGACGGGAAAGGACTGCCCTCATATGAAAGAGAAAGGTGCCCTTAAACAAAACAA
GGAGGTGCTTGAACCTGCTTTCTCCATCTTATACGACTCAAATTGCCAACTGAACTTCATTGCTCTGAT
AAGCATGAGTACTGCATCTGGACAGATGGGCTGAATGCACTGCTTGGGAAGGACATGATGAGTGACCTGA
CACGCAATGACCTGGACACCCTGCTGAGCATGGAGATCAAGCTTCGCCTGCTGGACCTGGAAAACATCCA
GATCCCGGATGCACCTCCGCTATCCCCAAGGAACCTAGCAACTATGACTTTGTCTATGACTGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206637 representing BC031782
 Red=Cloning site Green=Tags(s)

MMTKMDPQDQAQRDIIFELRRIAFAESEPNNSSGSMERKRSMTYTRDYKKGFINHVNPAMDFTQTPPGM
 LALDNMLYFAKHHQDAYIRIVLENSREDKHECPFGRSSIELTKMLCEILKVGELPSETCNDFHPMFFTH
 DRSFEEFFCICIQLLNKTWKEMRATSEDFNKVMQVVKQVMRAL TTKPSSLDQFKSKLQNL SYTEILKIR
 QSERMNQEDFQSRPILELKEKIQPEILELIKQRLNRL VEGTCFRKLNARRRQDKFWYCR LSPNHKVLHY
 GDLEESPQGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGALKQNKVELELAFSILYDSNCQLNFIAPD
 KHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSMEIKLRLLDLENIQIPDAPPIPKEPSNYDFVYDCN

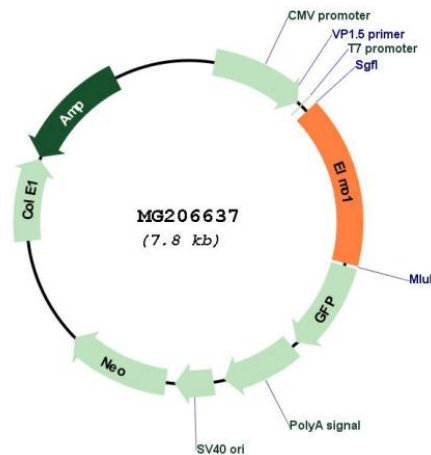
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	BC031782 , AAH31782
RefSeq Size:	2540 bp
RefSeq ORF:	1259 bp
Locus ID:	140580
Cytogenetics:	13 A2
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]