

Product datasheet for **MG217925**

Mup1 (NM_031188) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mup1 (NM_031188) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mup1
Synonyms: Ltn-1; Lvtn-1; Mup-1; Mup-a; Mup7; Mup10; Up-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217925 representing NM_031188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGATGCTGCTGCTGCTGTGTTGGGACTGACCCTAGTCTGTGTCCATGCAGAAGAAGCTAGTTCTA
 CGGGAAGGAACTTAATGTAGAAAAGATTAATGGGGAATGGCATACTATTATCCTGGCCTCTGACAAAAG
 AGAAAAGATAGAAGATAATGGCAACTTTAGACTTTTTCTGGAGCAATCCATGTCTGGAGAAATCCTTA
 GTTCTTAAATCCATACTGTAAGAGATGAAGAGTGCTCCGAATTATCTATGGTTGCTGACAAAACAGAAA
 AGGCTGGTGAATATTCTGTGACGTATGATGGATTCAATACATTTACTATACCTAAGACAGACTATGATAA
 CTTTCTTATGGCTCATCTCATTAAAGAAAAGGATGGGAAACCTCCAGCTGATGGGGCTCTATGGCCGA
 GAACCAGATTTGAGTTCAGACATCAAGGAAAGTTTGAAAACCTATGTGAGGAGCATGGAATCCTTAGAG
 AAAATATCATTGACCTATCCAATGCCAATCGTGCCTCCAGGCCGAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217925 representing NM_031188
 Red=Cloning site Green=Tags(s)

MKMLLLLCLGLTLVCHAEASSTGRNFNVEKINGEWHTIILASDKREKIEDNGNFRLFLEQIHVLEKSL
 VLKFHTVRDEECSELSMVADKTEKAGEYSVTYDGFNTFTIPKTDYDNFLMAHLIN EKDGETFQLMGLYGR
 EPDLSSEDIKERFAKLCEEHGILRENIIDLSNANRCLQARE

TRTRPLE - GFP Tag - V

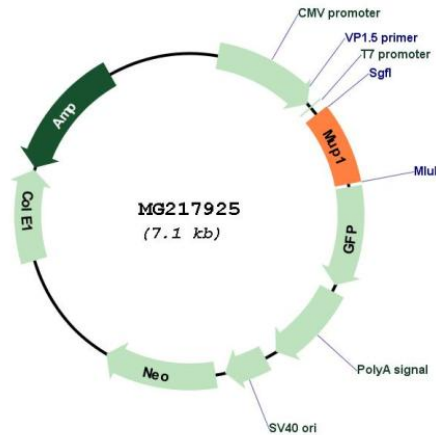
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_031188

ORF Size: 540 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:	<u>NM_031188.2</u> , <u>NP_112465.2</u>
RefSeq Size:	927 bp
RefSeq ORF:	543 bp
Locus ID:	17840
Cytogenetics:	4 32.85 cM