

Product datasheet for MR228317

Mup14 (NM_001199999) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mup14 (NM_001199999) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mup14
Synonyms: Gm13514; Mup12; OTTMUSG00000012493
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228317 representing NM_001199999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGATGCTGCTGCTGCTGTGTTGGGGCTGACCCTAGTGTGTGTCCATGCAGAAGAAGCTAGTTCTA
 CGGGAAGGAACCTTAATGTAGAAAAGATTAATGGGGAATGGCATACTATTATCCTGGCCTCTGACAAAAG
 AGAAAAGATAGAAGATAATGGCAACTTTAGACTTTTTCTGGAGCAAAATCCGTGCTTGGAGAATTCCTTA
 GTTCTTAAATTCATACTGTAAGAGATGAAGAGTGCTCGGAATTATCTATGGTTGCTGACAAAACAGAAA
 AGGCTGGTGAATATTCTGTGACGTATGATGGATTCAATACATTTACTATACCTAAGACAGACTATGATAA
 CTTTCTTATGGCTCATCTCATTAAACGAAAAGGATGGGGAACCTTCCAGCTGATGGGGCTCTATGGCCGA
 GAACCAGATTTGAGTTCAGACATCAAGGAAAGGTTGCACAACATATGTGAGGAGCATGGAATCCTTAGAG
 AAAATATCATTGACCTATCCAATGCCAATCGCTGCCTCCAGGCCGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228317 representing NM_001199999
 Red=Cloning site Green=Tags(s)

MKMLLLCLGLTLVCHAEASSTGRNFNVEKINGEWHTIILASDKREKIEDNGNFRFLFLEQIRVLENSL
 VLKFTVRDEECSELSMADKTEKAGEYSVTYDGFNTFTIPKTDYDNFLMAHLIN EKDGETFQLMGLYGR
 EPDLSSDIKERFAQLCEEHILRENIIDLSNANRCLQARE

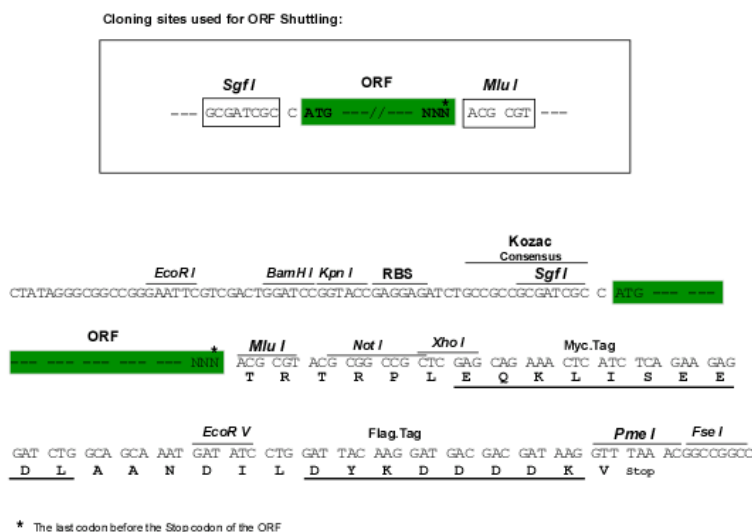
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM 001199999

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001199999.1](#), [NP_001186928.1](#)

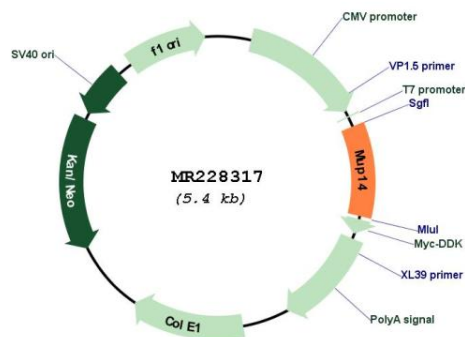
RefSeq Size: 926 bp

RefSeq ORF: 543 bp

Locus ID: 100039116

Cytogenetics: 4 B3
MW: 21.1 kDa

Product images:



Circular map for MR228317