

Product datasheet for MR228316

Mup12 (NM_001199995) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mup12 (NM_001199995) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mup12
Synonyms: 100039054; Gm2024
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228316 representing NM_001199995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGATGCTGCTGCTGCTGTGTTGGGACTGACCCTAGTGTGTGTCCATGCAGAAGAAGCTAGTTCTA
 CGGGAAGGAACCTTAATGTAGAAAAGATTAATGGGGAATGGCATACTATTATCCTGGCCTCTGACAAAAG
 AGAAAAGATAGAAGATAATGGCAACTTTAGACTTTTTCTGGAGCAAATCCATGTCTTGAGAATTCCTTA
 GTTCTTAAATTCATACTGTAAGAGATGAAGAGTGCTCGGAATTATCTATGTTGCTGACAAAACAGAAA
 AGGCTGGTGAATATTCTGTGACGTATGATGGATTCAATACATTTACTATACCTAAGACAGACTATGATAA
 CTTTCTTATGGCTCATCTCATTAAACGAAAAGGATGGGGAACCTTCCAGCTGATGGGGCTCTATGGCCGA
 GAACCAGATTTGAGTTCAGACATCAAGGAAAGGTTTGCAAACTATGTGAGAAGCATGGAATCCTTAGAG
 AAAATATCATTGACCTATCCAATGCCAATCGCTGCCTCCAGGCCGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228316 representing NM_001199995
 Red=Cloning site Green=Tags(s)

MKMLLLLCLGLTLVCHAEASSTGRNFNVEKINGEWHTIILASDKREKIEDNGNFRFLFLEQIHVLENSL
 VLKFHTVRDEECSELSMADKTEKAGEYSVTYDGFNTFTIPKTDYDNFLMAHLIN EKDGETFQLMGLYGR
 EPDLSSDIKERFAQLCEKHGILRENIIDLSNANRCLQARE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001199995

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_001199995.1](#), [NP_001186924.1](#)

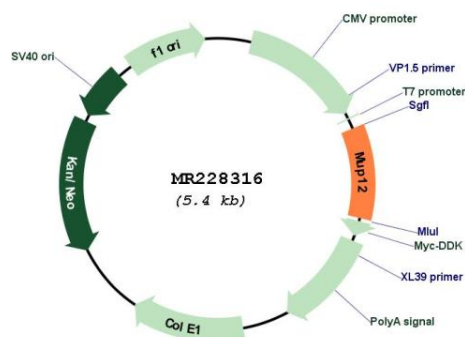
RefSeq Size: 883 bp

RefSeq ORF: 543 bp

Locus ID: 100039054

UniProt ID: [P11588](#)
Cytogenetics: 4
MW: 21.1 kDa
Gene Summary: Binds pheromones that are released from drying urine of males. These pheromones affect the sexual behavior of females.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228316