

Product datasheet for **MC226115**

Mup18 (NM_001199333) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mup18 (NM_001199333) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mup18
Synonyms:	100039228; Gm12561; Mup6; Mup9; Mup16; OTTMUSG00000007486
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226115 representing NM_001199333 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATGCTGCTGCTGCTGCTGTGTTGGGACTGACCCTAGTCTGTGTCCATGCAGAAGAAGCTAGTT
CTACGGGAAGGAACCTTAAATGTAGAAAAGATTAATGGGAATGGCATACTATTATCCTGGCCTCTGACAA
AAGAGAAAAGATAGAAGATAATGGCACTTTAGACTTTTTCTGGAGCAAATCCATGTCTTGAGAATTCC
TTAGTTCTTAAATTCCTACTGTAAAGAGATGAAGAGTGCTCCGAATTATCTATGGTTGCTGACAAAACAG
AAAAGGCTGGTGAATATTCTGTGACGTATGATGGATTCAATACATTTACTATACCTAAGACAGACTATGA
TAACCTTTCTTATGGCTCATCTCATTAAACGAAAAGGATGGGAAACCTTCCAGCTGATGGGCTCTATGGC
CGAGAACCAGATTTGAGTTCAGACATCAAGGAAAGGTTTGCACAATATGTGAGGAGCATGGAATCCTTA
GAGAAAATATCATTGACCTATCCAATGCCAATCGCTGCCTCCAGGCCCGAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001199333
Insert Size:	546 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001199333.1 , NP_001186262.1
RefSeq Size:	888 bp
RefSeq ORF:	546 bp
Locus ID:	100048884
UniProt ID:	P04938
Cytogenetics:	4 B3
Gene Summary:	Major urinary proteins (Mups) bind pheromones, and thus stabilize them to allow slow release into the air from urine marks. May protect pheromones from oxidation. May also act as pheromones themselves. In this context, they play a role in the regulation of social behaviors, such as aggression, mating, pup-suckling, territory establishment and dominance (Probable). Binds the pheromone analog 2-sec-butyl-4,5-dihydrothiazole (SBT) in vitro (PubMed:25279835).[UniProtKB/Swiss-Prot Function]