

## Product datasheet for **MC208995**

### Mup5 (NM\_008649) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mup5 (NM\_008649) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mup5  
**Synonyms:** Mup18  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC208995 representing NM\_008649  
**Red=Cloning site Blue=ORF**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTGTTGCTGCTGCTGTGTTTGGAACTGACACTAGTCTATGTCCATGCAGAAGAAGCTAGTTCTG  
AGGGACAGAACTTAAATGTAGAAAAGATTAATGGAAAATGGTTTTCTATTCTCTGGCCTCTGACAAAAG  
AGAAAAGATAGAAGAACATGGCACCATGAGAGTTTTTGTGGAGCACATCGATGTCTTGAGAATTCCTTA  
GCTTTTAAATCCATACTGTTATAGATGAAGAGTGCACCTGAAATATATTTGGTTGCTGACAAAACAGAAA  
AAGCTGGTGAATATTCTGTGACATATGATGGATTCAATACATTTACTATACTTAAGACAGACTATGATAA  
TTATATTATGTTTCATCTCATTAAACAAAAGGATGAGGAAAACCTCCAGCTGATGGAGCTCTTTGGTCGA  
GAACCAGATTTGAGTTCAGACATCAAGGAAAAGTTTGAAAACCTATGTGAGGAGCATGGAATCGTTAGAG  
AAAATATCATTGACCTATCCAATGCCAATCGCTGCCTCCAGGCCCGAGAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1712\\_b11.zip](https://cdn.origene.com/chromatograms/ja1712_b11.zip)  
**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_008649  
**Insert Size:** 543 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_008649.2</a></u> , <u><a href="#">NP_032675.2</a></u>
<b>RefSeq Size:</b>	872 bp
<b>RefSeq ORF:</b>	543 bp
<b>Locus ID:</b>	17844
<b>UniProt ID:</b>	<u><a href="#">P11591</a></u>
<b>Cytogenetics:</b>	4 B3
<b>Gene Summary:</b>	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. [UniProtKB/Swiss-Prot Function]