

Product datasheet for **MC201047**

Mup4 (NM_008648) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mup4 (NM_008648) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mup4
Synonyms:	Mup-4; Mup1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012227 sequence for NM_008648 CATCACCAGAAGGACGTGGTCTGACAGACAGACAATTCTACTCCCTACCAAAATGAAGCTGCTGCTGTG TTTGGGACTGACCCTAGTCTGTATTCATGCAGAAGAAGCTACTTCCAAGGGACAGAACTTAAATGTAGAA AAGATTAATGGGGAATGGTTTTCTATTCTCCTGGCCTCTGACAAAAGAGAAAAGATAGAAGAACATGGCA GCATGAGAGTTTTTGTGGAGCACATCCATGTCTTGGAATTCCTTAGCTTTTAAATTCCATACTGTTAT AGATGGAGAGTGTCTGAAATATTTTTGGTTGCTGACAAAACAGAGAAGGCTGGTGAATATTCTGTGATG TATGATGGATTCAATACATTTACTATACTTAAGACAGACTATGATAATTATATTATGTTTCATCTCATT ACGAAAAGGATGGGAAAACCTTCCAGCTGATGGAGCTCTATGGCCGAAAAGCAGATTTGAATTCAGACAT CAAGGAAAAGTTTGTAACCTTTGTGAGGAGCATGGAATCATTAAAGAAAATATCATTGACTTAACCAAA ACCAATCGCTGCCTCAAGGCCGAGAATGAAGAATGGCCTGAGCCTCCAGTGTTGAGTGGAGACTTCTCA CCAGGACTCCAGCATCCTCTCTCCGATCGATACAGCATTGGGTGACAAGTTCTGTGATCTGCTTTCCAT CCTGTCTCACAGAGAAGTGCAATCCTGGTCTCTCCAGCATGTTACCTAGGATAACTCATCAAGAATCAAA GACTTTCTTTAAATTTCTCTTGACATACCCATGACAATTCTCCAAGAATTGCTTCTCTCTGTTCAA TAAATGATTACACTTGCCTTAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_008648
Insert Size:	537 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).
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).


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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:	BC012227 , AAH12227
RefSeq Size:	874 bp
RefSeq ORF:	537 bp
Locus ID:	17843
UniProt ID:	P11590
Cytogenetics:	4 32.82 cM
Gene Summary:	Binds pheromones, likely to displace pheromones complexed to urinary MUPs and transport them to the vomeronasal organ (VNO) where they associate with their neuronal receptor(s). MUP4 is highly specific for the male mouse pheromone 2-sec-butyl-4,5-dihydrothiazole (SBT). [UniProtKB/Swiss-Prot Function]