

Product datasheet for **MC212469**

Tmem199 (NM_199199) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem199 (NM_199199) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmem199
Synonyms: AI316787; AI848469; R74819
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212469 representing NM_199199
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGTCTTCCTTGCTTGCCGGCGAACGACTGGTTCGCGCTTTGGGTCTGGCGGAGAAGTGAACGGG
AGCAGCTCCCCGAAGCTGCGTGCCAGCTCGAGGCTGCTCTGGGAAAGAAACACGCGGCAGTGATAA
TGCCACGGGACCCCGGCCTGGTTTCATTCCGTCTCATCGAGATCTGCATCAGCACCTGAGAGAAAGA
AATTCCAGGCTGTATCTTCATGAACTCCTAGAAGGCAGTGACATCTACTTCCAGAGATTGTGAAGCCTC
CCCGGAATCCAGAGCTAGTTGCCCGCTAGAGAAGATTAGATACAGCTAGCCAATGAGGAGTATAAGCG
GATCACTCGCAATGTCACTTGTCAAGATGCACAGTGTGGGGGACTCTCAGTGACCTGGGAAAGCAAGTG
AGGTCAGTGAAGGCTCTGGTCGTCACTTCAACTTCATTATCACAGTGGCAGCTGCCTTTGTCTGCA
CTTACCTAGGAAGCCAGTATGTCTTACAGAAATGGCCTCGAGAGTGTGGCTGCATTGATCGTTGCCCTC
GGTGGTAGGTCTGGCAGAACTGTACGTCATGGTAAGGGCAATGGAAGGAGAAGTGGGCGAGCT**GTA**A

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_199199
Insert Size: 627 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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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:	<u>NM_199199.3</u> , <u>NP_954669.2</u>
RefSeq Size:	1353 bp
RefSeq ORF:	627 bp
Locus ID:	195040
UniProt ID:	<u>Q5SYH2</u>
Cytogenetics:	11 B5
Gene Summary:	Accessory component of the proton-transporting vacuolar (V)-ATPase protein pump involved in intracellular iron homeostasis. In aerobic conditions, required for intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation. Necessary for endolysosomal acidification and lysosomal degradation (By similarity). May be involved in Golgi homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]