

Product datasheet for RN213233

Tmem109 (NM_001007736) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem109 (NM_001007736) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmem109
Synonyms: MGC93811
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213233 representing NM_001007736
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGGCGCACACAGCAATCCATCATGGAGCAGGCATCTGTCAAAGCTGTCCTAATGGTCTAGGGG
 CCCTTCTCCTCGTCCACTCAGCATCAGCCAGACTCATCGAGAGTTTGCCTCACCTGGCCAAACAGAAGAG
 GGAGTCTCAGCTGATATTCTGACCGAGATTGGCCGATCTCTGAAGGAGACGTTGGATACCTGGCTGGGG
 CCAGAGACCATGCATGTGATTTAGAGACCCTGCTGCAGGTGATGTGGGCCATCTCATCAGCCATCTCTG
 TGGCCTGCTTTGCCCTGTCTGGGATTGCTGCCAGTTGCTGAGTGCCCTGGGGCTGGATGGTGAACAAC
 CACCCAGGTCTTGAAGCTCAGCCCTAGCCAAGTCCAGACCCTTCTACTGTGGGGAGCAGCAGCACTGGTC
 ATCTACTGGTTGCTGTCCCTGCTCCTAGGCTTGGTCTTGGCCTTGGTACGGATCCTGGGGGGTCTGA
 AGCTTGTCTCTTCGTGGCTGGCTTTGTGGCCTGGTGGAGTGGTGGCCGAGCCGACCCATCGACCCGGCCTT
 GCTGCTCTTGGCCTTGTAACTGTCTTTGCCTTGTGAGTCGGCTCACCGCTCCAGGAGCTCGGGGACC
 CACCTAGAAGCCAAGGTGAGAGGGCTGGAGGCCAGATAGAAGAGCTTCGAGGGAGGCAGAGGCGAGCAG
 CCAAGATACCCAGGAGCATGGAGGAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007736
Insert Size: 732 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).
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_001007736.1</u> , <u>NP_001007737.1</u>
RefSeq Size:	1924 bp
RefSeq ORF:	732 bp
Locus ID:	361732
UniProt ID:	<u>Q6AYQ4</u>
Cytogenetics:	1q43
Gene Summary:	May mediate cellular response to DNA damage by protecting against ultraviolet C-induced cell death. Can form voltage-gated calcium and potassium channels in vitro.[UniProtKB/Swiss-Prot Function]