

Product datasheet for MR213260

Tmem147 (NM_027215) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem147 (NM_027215) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem147
Synonyms: 2010004E11Rik; 5033425B17Rik; Nifie14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR213260 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGACCCTGTTCCACTTCGGGAAGTCTCGCCCTCGCCTACTTCCCTATTTTCATCACGTACAAATGCA
 GCGGCCTGTCTGAATACAACGCCTTCTGGAAATGCGTCCAGGCCGGGTACCTACCTCTTTGTGCAGT
 ATGCAAGATGTTGTTCTTGGCCACTTCTCCCCACCTGGGAAGGTGGCATCTATGACTTATTGGGGAA
 TTCATGAAGGCCAGTGTGGATGTGGCAGACCTGATAGGCCTAAACCTTGTCTCGGAATGCAGGCA
 AGGGGGAGTACAAGATTATGGTTGCTGCCCTGGGCTGGGCCACTGCTGAAGTATTATGTCGGATGCAT
 CCCCTCTGGGTGGGAGCCCAGGCATTGAATTTGACTGGAAATATATCCAGATGAGCATTGACTCCAAC
 ATCAGTCTGGTCCACTACATCGTTGCATCAGCTCAGGTCTGGATGATAACACGCTATGACCTGTACCACA
 CCTCCGGCCTGCTGTTCTCCTCCTGATGTTCTTAGTGTCTACAAGGCCTTTGTCTGAGACCTTCGT
 CCACCTCTTCTCCTTGGGTAGTTGGACAGCACTGCTCGCCCGGCAGTAGTAACAGGACTGCTGGCCCTC
 AGCACCTTGGCCCTGTATGTTGCTGTTGCAATGTACTCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213260 protein sequence
 Red=Cloning site Green=Tags(s)

MTLFHFGNCFALAYFPYFITYKCSGLSEYNAFWKCVQAGVTYLVQLCKMLFLATFFPTWEGGIYDFIGE
 FMKASVDVADLIGLNLVMSRNAGKGEYKIMVAALGWATAELIMSRCIPLVWGARGIEFDWKYIQMSIDSN
 ISLVHYIVASAQVWMITRYDLYHTFRPAVLLLMFLSVYKAFVMEFVHLFSLGSWTALLARAVVTGLLAL
 STLALYVAVVNVHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027215

ORF Size: 675 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_027215.2](#), [NP_081491.2](#)

RefSeq Size: 868 bp

RefSeq ORF: 675 bp

Locus ID: 69804

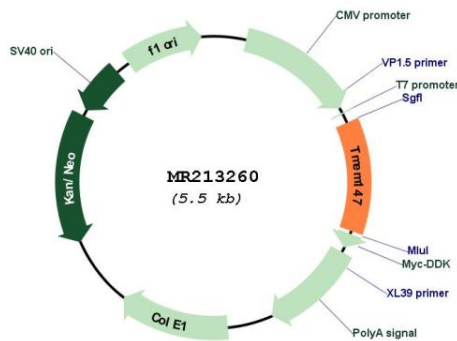
UniProt ID: [Q9CQG6](#)

Cytogenetics: 7 B1

MW: 25.3 kDa

Gene Summary: Acts as a negative regulator of CHRM3 function, most likely by interfering with its trafficking to the cell membrane (By similarity). Negatively regulates CHRM3-mediated calcium mobilization and activation of RPS6KA1/p90RSK activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213260