

Product datasheet for RC229593

TMEM216 (NM_001173991) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM216 (NM_001173991) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM216
Synonyms: HSPC244
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229593 representing NM_001173991
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCCACGGGGACTGAAGATGGCGCCGCGAGGTAACGGTTGTCTCCACCCCGCTGGAAATCCTGT
 TCTTTCTGAACGGGTGATAATGCTACCTATTTCTGCTGGAACTTTCATATTTCTGTATAAAGGTGT
 CCTGCTACCATATCCAACAGCTAACCTAGTACTGGATGTGGTGATGCTCCTCTTTATCTTGAATTGAA
 GTAATTCGCTGTTTTTTGGTACAAAGGAAACCTCTGCCAGCGAAAGATGCCGCTCAGTATTAGCGTGG
 CCTTGACCTTCCCATCTGCCATGATGGCCTCCTATTACCTGCTGCTGCAGACCTACGTACTCCGCCTGGA
 AGCCATCATGAATGGCATCTTGCTTCTTCTGTGGCTCAGAGCTTTACTTGAGGTGCTCACCTTGCT
 GCTTTCTCCAGTATGGACAGGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229593 representing NM_001173991
 Red=Cloning site Green=Tags(s)

MLPRGLKMAPRGKRLSSTPLEILFFLNWYNATYFLLELFIFLYKGVLLPYPTANLVLVDVMLLLYLIE
 VIRLFFGTGNLQQRKMPLSISVALTFPSAMMASYLLQLTYVLRLEAIMNGILLFFCGSELLLEVLTLA
 AFSSMDRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001173991

ORF Size: 444 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_001173991.2](#), [NP_001167462.1](#)

RefSeq Size: 1306 bp

RefSeq ORF: 447 bp

Locus ID: 51259

UniProt ID: [Q9P0N5](#)

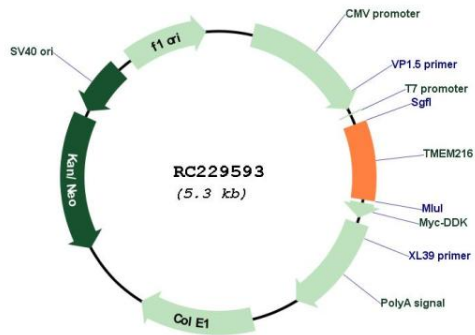
Cytogenetics: 11q12.2

Protein Families: Transmembrane

MW: 16.8 kDa

Gene Summary: This locus encodes a transmembrane domain-containing protein. Mutations at this locus have been associated with Meckel-Gruber Syndrome Type 2, and Joubert Syndrome 2, also known as Cerebello-oculorenal Syndrome 2. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RC229593