

Product datasheet for **RG229593**

TMEM216 (NM_001173991) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM216 (NM_001173991) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM216
Synonyms: HSPC244
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229593 representing NM_001173991
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCACGGGGACTGAAGATGGCGCCGCGAGGTAACGGTTGTCTCCACCCGCTGGAAATCCTGT
TCTTTCTGAACGGGTGGTATAATGCTACCTATTCCTGCTGGAACTTTCATATTTCTGTATAAAGGTGT
CCTGCTACCATATCCAACAGCTAACCTAGTACTGGATGTGGTGATGCTCCTCCTTTATCTTGAATTGAA
GTAATTCGCTGTTTTTGGTACAAAGGAAACCTCTGCCAGCGAAAGATGCCGCTCAGTATTAGCGTGG
CCTTGACCTTCCCATCTGCCATGATGGCTCCTATTACCTGCTGCTGCAGACCTACGTACTCCGCTGGA
AGCCATCATGAATGGCATCTTGCTTCTTCTGTGGCTCAGAGCTTTTACTTGAGGTGCTCACCTTGCT
GCTTTCTCCAGTATGGACAGGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229593 representing NM_001173991
Red=Cloning site Green=Tags(s)

MLPRGLKMAPRGKRLSSTPLEILFFLNWYNATYFLLELFIFLYKGVLLPYPTANLVLDVVMLLLYLIE
VIRLFFGTKGNLCQRKMPLSISVALTFPSAMMASYYLLQLTYVLRLEAIMNGILLFFCGSELLLEVLTLA
AFSSMDRI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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

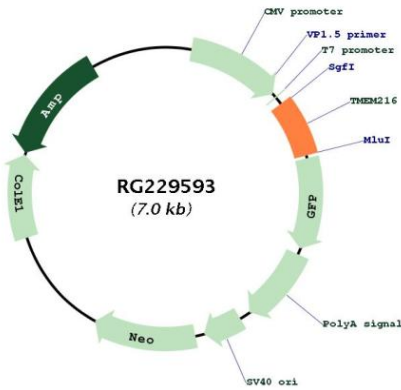
UniProt ID: [Q9P0N5](#)

Cytogenetics: 11q12.2

Protein Families: Transmembrane

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 RG229593