

Product datasheet for **MG200195**

Tmem216 (NM_026798) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem216 (NM_026798) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem216
Synonyms: 1110017C22Rik; 2810441K11Rik; 4921533J23Rik; A930021F15Rik; AI482550
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200195 representing NM_026798
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCTGCTCTATCTTGGCATTGAAGTCATACGATTGTTTTTCGGTACAAAGGGAAACCTCTGCCAGC
 GAAAGATGCCCTTGGCATTAGTGTGGCCTTGACCTCCCATCCGCTATGATGGCTTCTATTACCTGCT
 GCTGCAGACCTACGTGCTCCGCCTAGAAGCTATCATGAACAGTATCTTGCTCTTCTTTGTGGCTCAGAG
 CTGCTGCTTGAGATGCTCAGCTGGCCACCTTCTCCAGCATGGACAGGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200195 representing NM_026798
 Red=Cloning site Green=Tags(s)

MLLLYLGIIEVIRLFFGTGKGNLCQRKMPPLGISVALTFPSAMMASYYLLLQTYVLRLEAIMNSILLFFCGSE
 LLEMLTLATFSSMDRI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_026798

ORF Size: 261 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_026798.3](#)

RefSeq Size: 1098 bp

RefSeq ORF: 264 bp

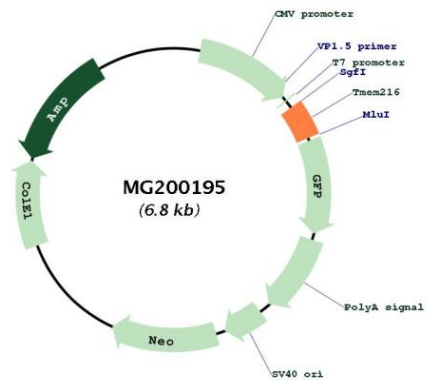
Locus ID: 68642

UniProt ID: [Q9CQC4](#)

Cytogenetics: 19 A

Gene Summary: This gene encodes a transmembrane protein which is involved in regulation of signaling and trafficking of associated proteins. In humans, mutations in this gene are associated with ciliopathies including Joubert, Meckel and related syndromes. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]

Product images:



Circular map for MG200195