

Product datasheet for **MR228085**

Tmem216 (NM_001277860) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem216 (NM_001277860) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem216
Synonyms: 1110017C22Rik; 2810441K11Rik; 4921533J23Rik; A930021F15Rik; AI482550
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228085 representing NM_001277860
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGCCGCGAGATAAAAGATTGTCCTCAACCCCTGGAAGTCTGTTCTTTCTGAATGGGTGGTACT
ATGCTACCTATTTCTGCTGGAGCTCCTATTTTCCTGTACAAAGGGCTCCTGTTGCCGTACCCAACAGC
CAACTTAGTCCTGGATGGTGTGCTGCTGCTATCTTGGCATTGAAGTCATACGATTGTTTTTCGGT
ACAAAGGGAACCTCTGCCAGCGAAAGATGCCCTTGGCATTAGTGTGGCCTTGACCTTCCCATCCGCTA
TGATGGCTTCTATTACCTGCTGCTGCAGACCTACGTGCTCCGCCTAGAAGCTATCATGAACAGTATCTT
GCTCTTCTTTTGGCTCAGAGCTGCTGCTTGAGATGCTCAGCTGGCCACCTTCTCCAGCATGGACAGG
ATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228085 representing NM_001277860
Red=Cloning site Green=Tags(s)
MAPRDKRLSSTPLEVLFFLNWYATYFLELLIFLYKGLLLPYPTANLVDVVMLLLYLGIEVIRLFFG
TKGNLCQRKMPLGISVALTFPSAMMASYYLLQTYVLRLEAIMNSILLFFCGSELLEMLTLATFSSMDR
I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001277860

ORF Size: 423 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_001277860.1](#), [NP_001264789.1](#)

RefSeq Size: 1028 bp

RefSeq ORF: 426 bp

Locus ID: 68642

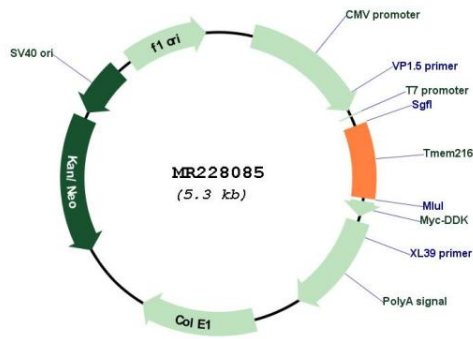
UniProt ID: [Q9CQC4](#)

Cytogenetics: 19 A

MW: 16.6 kDa

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 MR228085