

Product datasheet for **RG209280**

TMEM88 (NM_203411) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TMEM88 (NM_203411) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: TMEM88
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG209280 representing NM_203411
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGATGTCCCCGGGGCACAGCGAGCGGTTCTGGTGACGGCCAGAGCCCCGGGACCCCTGGACT
 GTTGGGCTGCGCTGTTCTTGTAAACAGCCAGAATCTGCTGGTGGCTGCCTTCAATCTTCTCTGCTGGT
 GCTGGTGTAGGGACCATCTTGTACCCGCTGTCACCATGCTGGGCTTCGGCTTCTCTGCCACTCTCAG
 TTCCTGCGCTCCCAGGCACCCCTTGCACCGCGCACCTGCGGGACCCCGTTTCACGGCCCTACTGGTCA
 CCGGATTCTGCTCCTCGTGCCGCTGCTGCTGCTGCTGGCAGCTACCGCGCTCTGCCTGCGCCT
 CCGCCTAGCCGATTGCCTCGTGCCCTACAGCCGAGCCCTTATCGGCGTCGGCGGCCCGCCAGCCGCGG
 CAAATCCGGGCCTCACCAGGGTCCAGGCCGTTCCACATCAGGAAAGGTCTGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209280 representing NM_203411
 Red=Cloning site Green=Tags(s)

MADVPGAQRAVPGDGPEPRDPLDCWACAVLVTAQNLLVAAFNLLLVLVLTGILLPAVTMLGFGFLCHSQ
 FLRSQAPPCTAHLRDPGFTALLVTGFLLLVPLLVLALASYRRLCLRLRLADCLVPYSRALYRRRRAPQPR
 QIRASPGSQAVPTSGKVWV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_203411

ORF Size: 477 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_203411.2](#)

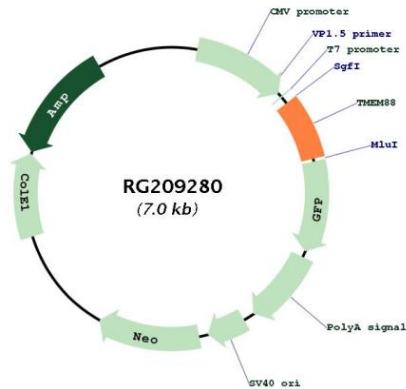
RefSeq Size: 887 bp

RefSeq ORF: 480 bp

Locus ID: 92162

UniProt ID:	<u>Q6PEY1</u>
Cytogenetics:	17p13.1
Protein Families:	Transmembrane
Gene Summary:	Inhibits the Wnt/beta-catenin signaling pathway. Crucial for heart development and acts downstream of GATA factors in the pre-cardiac mesoderm to specify lineage commitment of cardiomyocyte development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209280