

Product datasheet for **RG205533**

TMEM163 (NM_030923) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM163 (NM_030923) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM163
Synonyms: DC29; SV31
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205533 representing NM_030923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCGGCCGCGGCATCCAGCGCCGAGCTCCAGGGGCCACCGTCCCGCCGCGCCCGGGGCC
 ACGCGCCACCGGCTGCCGCCCCGGCCCGCCGCTGAGCTCCCGGTGCGCGAGCCCGCCAGCTGGA
 GGAGGAGCGGCAGGTGCGGATCAGCGAGAGCGCCAGTTCAGCGACGGGCTGGAGGACCGAGGCTTACTA
 GAAAGCAGCACCCGCCTGAAACCTCACGAAGCCAGAACTACAGGAAGAAGGCATTGTGGGTGTCCTGGT
 TCTCCATCATTGTCACCCTGGCCCTCGCGGTGGCTGCCTTACTGTCTCCGTTATGAGGTACAGCGCCTC
 TGCTTTTGGGTTTGCATTTGATGCCATCCTGGAGTCTGTGCATCGGCGATTGTCCTGTGGCGTTACAGC
 AACCGCGCCGCTGTGCACTCTGCCATAGGGAGTACATAGCCTGTGCATCTTGGGGTGATATTCTTTC
 TGTTCATCCATATGTATAGTGGTCAAAGCCATCCATGACCTCTCAACTAGGCTGCTCCAGAAAGTGGACGA
 TTTCTGTTCAGTGTCTCCATTTAAGTGGGATTTCTTGCAGCATCCTGGCCGTGTTGAAGTTCATGCTG
 GGAAGGTTCTGACCAGTAGAGCACTATAACAGATGGGTTAACTCCCTCGTGGGTGGCGTGATGGGCT
 TCTCCATTCTTCTGAGCGCGGAAGTGTCAAGCATGACTCAGCGGTCTGGTACCTGGACGGCAGCATAGG
 CGTTCTGATCGGCCTCACCATATTTGCCTATGGGGTCAAACCTCCTCATCGACATGGTGCCGAGGGTGAGG
 CAGACACGTCACACTACGAGATGTTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205533 representing NM_030923
 Red=Cloning site Green=Tags(s)

MEPAAGIQRSSQGPTVPPPPRGHAPPAAPGPAPLSSPVREPPQLEERQVRISESQGFSDGLEDRGLL
 ESSTRLLKPHEAQNYRKKALWVSWFSIIIVTLALAVAFTVSVMRYSASAFGFDAILDVLSAIVLWRY
 NAAAVHSAHREYIACVILGVIFLLSSICIVVKAHDLSTRLLPEVDDFLFVSVILSGILCSILAVLKFML
 GKVLTSRALITDGFNSLVGGVMGFSILLSAEVFKHDSAVWYLDGSIGVLIGLTI FAYGVKLLIDMVPRVR
 QTRHYEMFE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030923

ORF Size: 867 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_030923.3](#)

RefSeq Size: 1679 bp

RefSeq ORF: 870 bp

Locus ID: 81615

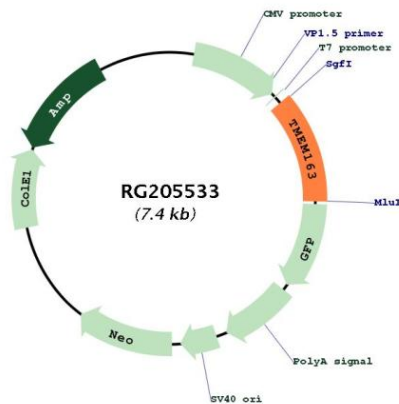
UniProt ID: [Q8TC26](#)

Cytogenetics: 2q21.3

Protein Families: Transmembrane

Gene Summary: May bind zinc and other divalent cations and recruit them to vesicular organelles.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205533