

Product datasheet for **RG209585**

TMEM81 (NM_203376) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMEM81
Synonyms:	HC3107; KVL2788; UNQ2788
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG209585 representing NM_203376
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGTTTTAGCCACTAGTTTTGTCTTGGGAGCCTGGGGTTGGCCTTCTACCTGCCTTTGGTGGTGA
CTACACCTAAACACTGGCCATCCCTGAGAAGCTGCAAGAAGCTGTGGGAAAGTTATCATCAATGCCAC
AACCTGTACTGTCACCTGTGGCCTTGGCTATAAGGAGGAGACCGTCTGTGAGGTGGGCCCTGATGGAGTG
AGAAGGAAATGTCAGACTCGGCGCTTAGAATGTCTGACCAACTGGATCTGTGGGATGCTCCATTTACCA
TTCTCATTGGCAAGGAATTTGAGCTTAGCTGTCTGAGTTCAGACATCTTGGAGTTTGGACAGGAAGCTTT
CCGGTTCACTGGAGACTTGCTCGAGGTGTCTCTCACTGACGATGAGGTCTTCAAACCTTTCAAGCC
AACTCCCACTTTGTGAAGTTTAAATATGCTCAGGAGTATGACTCTGGGACATATCGCTGTGATGTGCAGC
TGGTAAAAAATTGAGACTCGTCAAGAGGCTCTATTTTGGGTTGAGGGTCTTCTCCTAACTTGGTGAA
TCTGAATTTCCATCAGTCACTTACTGAGGATCAGAAGTTAATAGATGAGGGATTGGAAGTTAATCTGGAC
AGCTACTCCAAGCCTCACCACCCAAAGTGAAAAAGAAGGTGGCGTCAGCCTTGGGAATAGGAATTGCCA
TTGGAGTGGTTGGTGGCGTGTGGTGAAGATTGTCTCTGTGCGCTAAGGGGGGCGCTGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



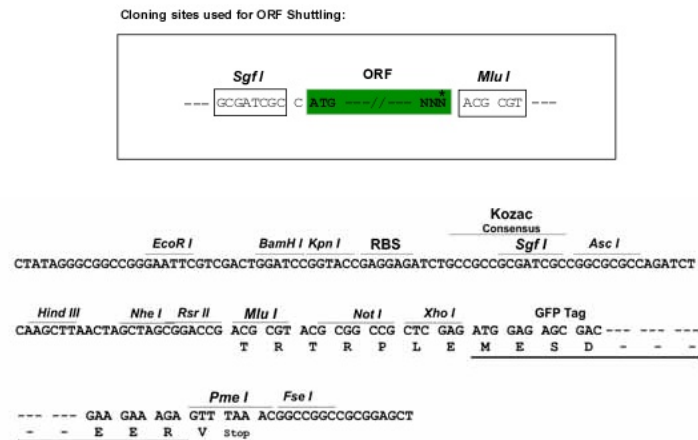
Protein Sequence: >RG209585 representing NM_203376
Red=Cloning site Green=Tags(s)

MKVLATSFVLGSLGLAFYLPVTTPTKTLAIPEKLQEA VGKVIINATTCTVTCGLGYKEETVCEVGP DGV
RRKCQTRRLECLTNWICGMLHFTILIGKEFELSCLSSDILEFGQEA FRFTWRLARGVISTDDEVFKPFQA
NSHFVKFYAQEYDSGT YRCVQLVKNRLVKRLYFGLRVLP PNLVNLNFHQSLTEDQKLIDEGLEV NLD
SYSKPHHPKWKKVASALGIGIAIGVVGVLVRIVLCALRGGLQQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203376

ORF Size: 765 bp

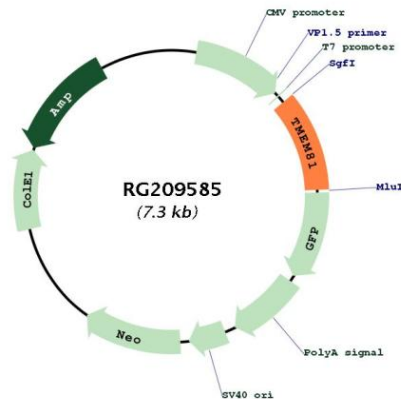
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_203376.2</u>
RefSeq Size:	1350 bp
RefSeq ORF:	768 bp
Locus ID:	388730
UniProt ID:	<u>Q6P7N7</u>
Cytogenetics:	1q32.1
Protein Families:	Transmembrane

Product images:



Circular map for RG209585