

Product datasheet for **RG203731**

TMEM19 (NM_018279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM19 (NM_018279) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203731 representing NM_018279 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAGATCTTAACGACAATATATGCAAAGATATATAAAGATGATAACTAATATAGTTACTGAGCC
 TGATCATTTGCATTTCTGTTAGCTTTCTGGATTATATCAATGACTGCAAGCACCTATTATGGTAACTTACG
 ACCTATTTCTCCGTGGCGTTGGCTGTTTTCTGTTGTTGTTCTGTTCTGATCGTCTCTAATGGCCTTAAA
 AAGAAAAGTCTAGATCACAGTGGGGCTCTAGGAGGGCTAGTCGTTGGATTATCCTAACCATTGCAAATT
 TCAGCTTTTTACCTCTTTGCTGATGTTTTCTTGTCTTCTCGAACTCACTAAATGGAAGGGAGAAGT
 GAAGAAGCGTCTAGATTCAAGATATAAGGAAGGTGGGCAAAGGAATTGGGTTTCAGGTGTTCTGTAATGGA
 GCTGTACCCACAGAAGTGGCCCTGCTGTACATGATAGAAAATGGCCCCGGGGAAATCCCAGTCGATTTTT
 CCAAGCAGTACTCCGCTTCCTGGATGTGTTGTCTCTCTTGGCTGCACTGGCCTGCTCTGCTGGAGACAC
 ATGGGCTTCAGAAGTTGGCCAGTTCTGAGTAAAAGTTCTCCAAGACTGATAACAACCTGGGAGAAAAGTT
 CCAGTTGGTACCAATGGAGGAGTTACAGTGGTGGGCTTGTCTCCAGTCTCCTTGGTGGTACCTTTGTGG
 GCATTGCATACTCCTCACACAGCTGATTTTTGTGAATGATTTAGACATTTCTGCCCCGAGTGGCCAAT
 TATTGCATTTGGTGGTTAGCTGGATTACTAGGATCAATTGTGGACTCATACTTAGGGGCTACAATGCAG
 TATACTGGGTTGGATGAAAGCACTGGCATGGTGGTCAACAGCCCAACAAATAAGGCAAGGCACATAGCAG
 GGAACCCATTCTTGATAACAACGAGTGAATCTGTTTTCTTCTGTTCTTATTGCCCTCTTGCTCCCAAC
 TGCTGCTTGGGTTTTTGGCCAGGGGG

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG203731 representing NM_018279
 Red=Cloning site Green=Tags(s)

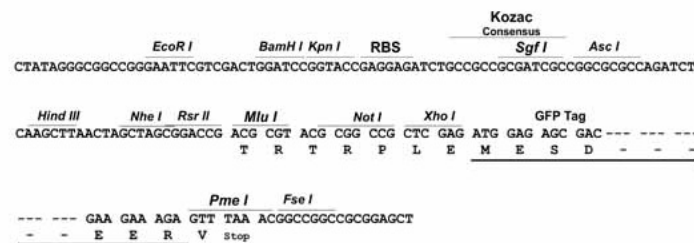
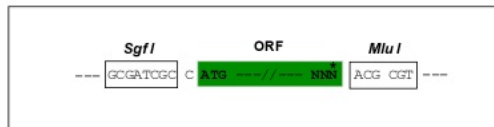
MTDLNDNICKRYIKMITNIVILSLIICISLAFWIISMTASTYYGNLRPISPWRWLFSSVVVPLIVSNGLK
 KKSLDHSGALGGLVVGFIITIANFSFFTSLMFLLSSSKLTWKGEVKKRLDSEYKEGGQRNWVQVFCNG
 AVPTELALLYMIENGPGIIPVDFSKQYSASWMCLSLAALACSAGDTWASEVGPVLSSSPRLITTWEKV
 PVGTNGGVTVVGLVSSLLGGTFVGIAYFLTQLIFVNDLDISAPQWPPIAFGGLAGLLGSIVDSYLGATMQ
 YTGLDESTGMVNSPTNKARHIAGKPILDNNVNLFSVLIALLLPTAAWGFWRG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_018279

ORF Size: 1008 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_018279.4](#)

RefSeq Size: 4659 bp

RefSeq ORF: 1011 bp

Locus ID: 55266

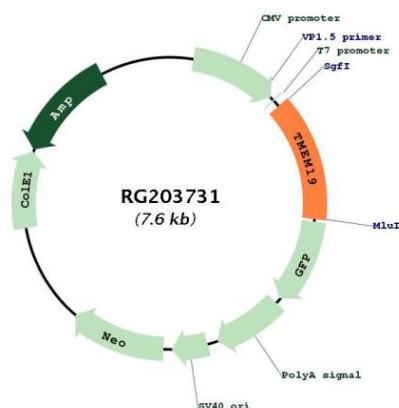
UniProt ID: [Q96HH6](#)

Cytogenetics: 12q21.1

Domains: DUF92

Protein Families: Transmembrane

Product images:



Circular map for RG203731