OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG218390

TMEM183B (NM_001079809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMEM183B
Synonyms:	C1orf37-DUP; C1ORF37DUP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG218390 representing NM_001079809
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCGGGGGCCCGGCCCGCTAGGCAGGCCTCGCCCCGATACGGTCGCCATGCCCAAGAGAGGAAAGC
GACTCAAGTTCCGGGCCCACGACGCCTGCTCCGGCCGAGTGACCGTGGCGGATTACGCCAACTCGGATCC
GGCGGTCGTGAGGTCTGGACGAGTCAAGAAAGCCGTAGCCAACGCTGTTCAGCAGGAAGTAAAATCTCTT
TGTGGCTTGGAAGCCTCTCAGGTTCCTGCAGAGGAAGCTCTTTCTGGGGCTGGTGAGCCCTGTGACATCA
TCGACAGCAGTGATGAGATGGATGCCCAGGAGGAAAGCATCCATGAGAGAACTGTCTCCAGAAAAAAGAA
AAGCAAGAGACACAAAGAAGAACTGGACGGGGCTGGAGGAGAAGAGTATCCCATGGATATTTGGCTATTG
CTGGCCTCCTATATCCGTCCTGAGGACATTGTGAATTTTTCCCTGATTTGTAAGAATGCCTGGACTGTCA
CTTGCACTGCTGCCTTTTGGACCAGGTTGTACCGAAGGCACTACACGCTGGATGCTTCCCTGCCTTTGCG
TCTGCGACCAGAGTCAATGGAGAAGCTGCGCTGTCTCCGGGCTTGTGTGATCCGATCTCTGTACCATATG
TATGAGCCATTTGCTGCTCGAATCTCCAAGAATCCAGCCATTCCAGAAAGCACCCCCAGCACATTAAAGA
ATTCCAAATGCTTACTTTTCTGGTGCAGAAAGATTGTTGGGAACAGACAGGAACCAATGTGGGAATTCAA
CTTCAAGTTCAAAAAACAGTCCCCTAGGTTAAAGAGCAAGTGTACAGGAGGATTGCAGCCTCCCGTTCAG
TACGAAGATGTTCATACCAATCCAGACCAGGACTGCTGCCTACTGCAGGTCACCACCCTCAATTTCATCT
TTATTCCGATTGTCATGGGAATGATATTTACTCTGTTTACTATCAATGTGAGCACGGACATGCGGCATCA
TCGAGTGAGACTGGTGTTCCAAGATTCCCCTGTCCATGGTGGTCGGAAACTGCGCAGTGAACAGGGTGTG
CAAGTCATCCTGGACCCAGTGCACAGCGTTCGGCTCTTTGACTGGTGGCATCCTCAGTACCCATTCTCCC
TGAGAGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

>RG218390 representing NM_001079809
Red=Cloning site Green=Tags(s)

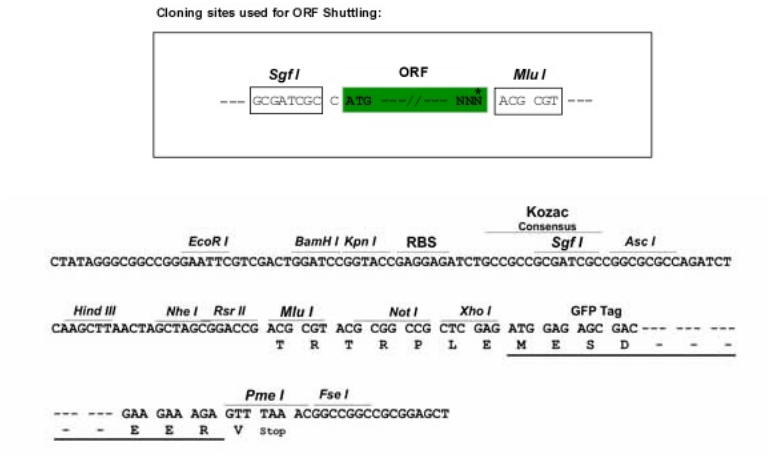
MARGPGPLGRPRPDTVAMPKRGKRLKFRAHDACSGRVTVADYANSDPAVVRSGRVKKAVANAVQQEVKSL
CGLEASQVPAEEALSGAGEPCDIIDSSDEMDAQEESIHERTVSRKKKSKRHKEELDGAGGEEYPMDIWLL
LASYIRPEDIVNFSLICKNAWTVTCTAAFWTRLYRRHYTLDASLPLRLRPESMEKLRCLRACVIRSLYHM
YEPFAARISKNPAIPESTPSTLKNSKCLLFWCRKIVGNRQEPMWEFNFKFKKQSPRLKSKCTGGLQPPVQ
YEDVHTNPDQDCCLLQVTTLNFIFIPIVMGMIFTLFTINVSTDMRHHRVRLVFQDSPVHGGRKLRSEQGV
QVILDPVHSVRLFDWWHPQYPFSLRA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001079809

ORF Size:

1128 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:

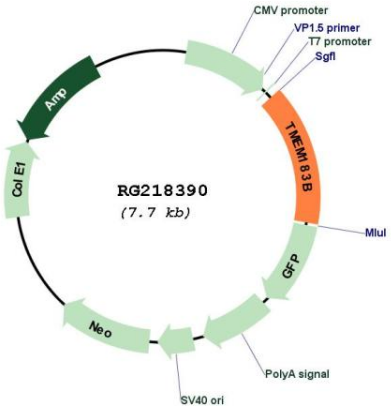
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_001079809.1, NP_001073277.1
RefSeq Size:	1706 bp
RefSeq ORF:	1131 bp
Locus ID:	653659
UniProt ID:	Q1AE95
Cytogenetics:	3q25.1
Protein Families:	Transmembrane
Gene Summary:	This locus was thought to represent a pseudogene of chromosome 1 open reading frame 37 because it is intronless and retains a polyA tail at the 3' end. It does however contain a complete open reading frame that subsequent research has demonstrated to be transcribed in a limited number of human tissues. The encoded protein may represent a transmembrane protein associated with cell membranes and be involved in cell-cell or cell-environment interactions. [provided by RefSeq, Jul 2010]

Product images:



Circular map for RG218390