

Product datasheet for **RG203898**

TMEM187 (NM_003492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMEM187
Synonyms:	CXorf12; DXS9878E; ITBA1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203898 representing NM_003492
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAATCCAGAGTGGGGGAGGCCTTCGTGCACGTGGCCGTGGCCGGTGGCCTCTGTGCCGTGGCTGTGT
TCACGGGCATTTTCGACAGTGTTCCTGTGCAAGTGGGCTATGAGCACTACGCCGAGGCGCCCGTGGCCGG
CCTCCTGCCTTCCTGGCCATGCCGTTCAACTCACTCGTGAACATGGCCTACACGCTGCTGGGGCTGTCTG
TGGCTGCACAGGGCGCGCGATGGGGTGGTCCCGCTACCTGAAGGACGTGTTTCGACGCCATGGCCC
TGCTCTATGGCCCCGTGACGTGGCTGCGCCTGTGGACGACGTGGCGCCGTGCCGCGTGTGGACCAAGT
GCTCACACTGCCCATCTTTGCATGGCCGTGGCCTGGTGCCTCTACCTAGACCGCGGCTGGCGGCCCTGG
CTGTTCTCTCTCTTGAAGTGCCTCTCCCTGGCCAGTTATGGCCTCGCTCTGCTGCATCCCCAGGGCTTCG
AGGTGCACTGGGTGCTCACGTGGTGGCCGCTGTGGGGCAGGCGCTGCGCACCCACAGGCACTATGGCAG
CACCACCTCGGCTACCTACTTACGCTTTGGGGTGTCTCTTGCCTGGGCTTTGTGGTCTCAAGCTGTGT
GACCATCAGCTCGACGGTGGCGTCTCTTCCAGTGCCTCACAGGCCACTTCTGGTCCAAGGTCTGTGACG
TGCTCCAGTTCACATTTGCGTTTTGTTTCTGACGCATTTCAACTCACCCAAGATTCCATCCCTCTGG
CGGGAAGACGCGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



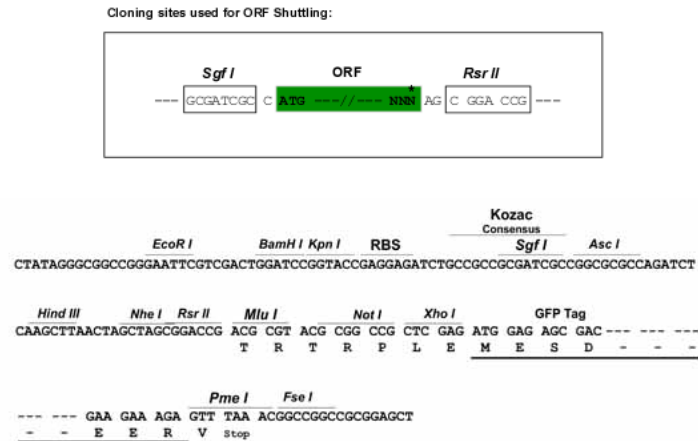
Protein Sequence: >RG203898 representing NM_003492
 Red=Cloning site Green=Tags(s)

MNPEWGQAFVHVAVAGGLCAVAVFTGIFDSVSVQVGYEHYAEAPVAGLPAFLAMPFNSLVNMYTLLGLS
 WLHRGGAMGLGPRYLKDVFAAMALLYGPVQWLRRLWTQWRRAAVLQWLTLPIFAWPVAVCLYLDRGWRPW
 LFLSLECVSLASYGLALLHPQGFEVALGAHVVAAVGQALRTHRHYGSTTSATYLALGVLSCLGFFVLKLC
 DHQLARWRLFQCLTGHFWSKVDVLQFHFAFLFLTHFNTHPRFHPSSGGKTR

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_003492

ORF Size: 783 bp

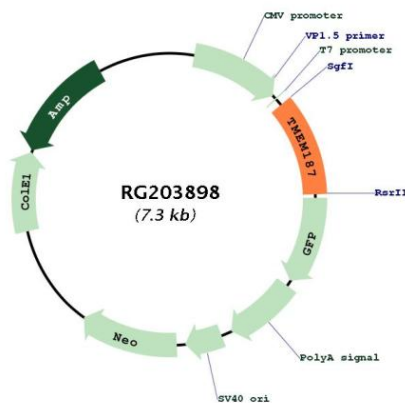
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_003492.3</u>
RefSeq Size:	1682 bp
RefSeq ORF:	786 bp
Locus ID:	8269
UniProt ID:	<u>Q14656</u>
Cytogenetics:	Xq28
Protein Families:	Transmembrane
Gene Summary:	This gene consists of two exons and encodes a multi-pass membrane protein. An alternatively spliced transcript variant encoding the same protein has been found, but its biological validity is not determined. [provided by RefSeq, May 2010]

Product images:



Circular map for RG203898