

Product datasheet for **RG213633**

TMEM98 (NM_001033504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM98 (NM_001033504) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM98
Synonyms:	TADA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213633 representing NM_001033504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACTGTGGTGATTGTTGCCATAGGTGTGCTGGCCACCATCTTCTGGCTTCGTTTGCAGCCTTGG
TGCTGGTTTGCAGGCAGCGCTACTGCCGGCCGCGAGACCTGCTGCAGCGCTATGATTCTAAGCCCATTGT
GGACCTCATTGGTGCCATGGAGACCCAGTCTGAGCCCTCTGAGTTAGAACTGGACGATGTCGTTATCACC
AACCCACATTGAGGCCATTCTGGAGAATGAAGACTGGATCGAAGATGCCTCGGGTCTCATGTCCCCT
GCATTGCCATCTGAAGATTTGTACACTCTGACAGAGAAGCTTGTGGCATGACAATGGGCTCTGGGGC
CAAGATGAAGACTTCAGCCAGTGTGAGCGACATCATTGTGGTGGCCAAGCGGATCAGCCCCAGGGTGGAT
GATGTTGTGAAGTCGATGTACCCTCCGTTGGACCCAACTCCTGGACGCACGGACGACTGCCCTGCTCC
TGTCTGTGAGTACCTGGTGTGGTGACAAGGAATGCCTGCCATCTGACGGGAGGCTGGACTGGATTGA
CCAGTCTCTGTGGCTGCTGAGGAGCATTTGGAAGTCTTCGAGAAGCAGCCCTAGCTTCTGAGCCAGAT
AAAGGCCCTCCAGGCCCTGAAGGCTTCTGCAGGAGCAGTCTGCAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213633 representing NM_001033504
Red=Cloning site Green=Tags(s)

METVVIVAIGVLATIFLASFAALVLVCRQRYCRPRDLLQRYDSKPIVDLIGAMETQSEPSELEDDVVIT
 NPHIEAILENEDWIEDASGLMSHCIAILKICHTLTEKL VAMTMGSGAKMKTSASVSDIIVVAKRISPRVD
 DVVKSMYPPLDPKLLDARTTALLLSVSHLVLVTRNACHLTGGLDWIDQSL SAAEEHLEVLREAALASEPD
 KGLPGPEGFLQEQSAI

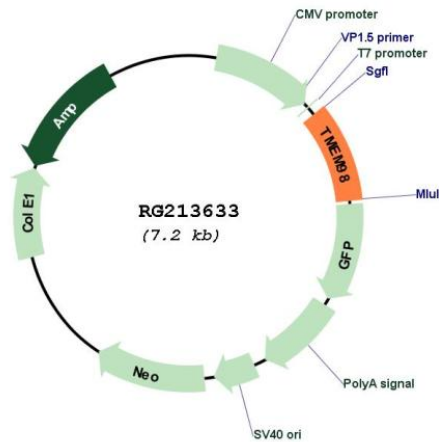
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033504

ORF Size: 678 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:	<ol style="list-style-type: none">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_001033504.1 , NP_001028676.1
RefSeq Size:	1732 bp
RefSeq ORF:	681 bp
Locus ID:	26022
UniProt ID:	Q9Y2Y6
Cytogenetics:	17q11.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a transmembrane protein. A missense mutation in this gene result in Nanophthalmos 4 (NNO4). Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2014]