

## Product datasheet for **RG236717**

### **TMEM98 (NM\_001301746) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM98 (NM_001301746) 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:	>RG236717 representing NM_001301746. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACTGTGGTGATTGTTGCCATAGGTGTGCTGGCCACCATCTTTCTGGCTTCGTTTGCAGCCTTG
GTGCTGGTTTGCAGGCAGCGCTACTGCCGGCCGCGAGACCTGCTGCAGCGCTATGATTCTAAGCCCAT
GTGGACCTCATTGGTGCCATGGAGACCCAGTCTGAGCCCTCTGAGTTAGAAGTGGACGATGTCGTTATC
ACCAACCCACATTGAGGCCATTCTGGAGAATGAAGACTGGATCGAAGATGCCTCGGTCTCATGTCC
CACTGCATTGCCATCTTGAAGATTTGTCACTCTGACAGAGAAGCTTGTGCCATGACAATGGGCTCT
GGGGCCAAGATGAAGACTTCAGCCAGTGTGAGCGACATCATTGTGGTGGCCAAGCGGATCAGCCCCAGG
GTGGATGATGTTGTGAAGTCGATGTACCCTCCGTTGGACCCAACTCCTGGACGCACGGACGACTGCC
CTGCTCCTGTCTGTGAGTCACTGGTGTGCTGCAAGGAATGCCTGCCATCTGACGGGAGGCTGGAC
TGGATTGACCACTCTCTGTGGCTGCTGAGGAGCATTTGGAAGTCTTCGAGAAGCAGCCCTAGCTTCT
GAGCCAGATAAAGGCCTCCAGGCCCTGAAGGCTTCTGCAGGAGCAGTCTGCAATT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



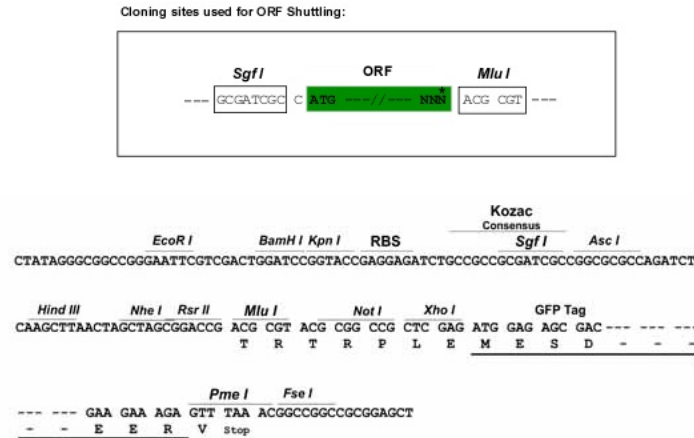
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG236717  
 Blue=ORF Red=Cloning site Green=Tag(s)

METVVIVAIGVLATIFLASFAALVLCRQRYCRPRDLLQRYDSKPIVDLIGAMETQSEPSELEDDVVI  
 TNPHIEAILENEDWIEDASGLMSHCIAILKICHTLTKLVAMTMGSGAKMKTASVSDIIVVAKRISPR  
 VDDVVKSMYPPLDPKLLDARTTALLLSVSHLVLVTRNACHLTGGLDWIDQSLAAEEHLEVLREAALAS  
 EPDKGLPGPEGFLQEQSAI  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001301746

**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).

**RefSeq:** [NM\\_001301746.1](#), [NP\\_001288675.1](#)

**RefSeq Size:** 1880 bp

**RefSeq ORF:** 681 bp

Locus ID: 26022

UniProt ID: [Q9Y2Y6](#)

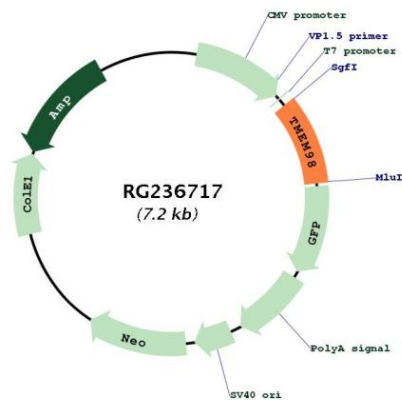
Cytogenetics: 17q11.2

Protein Families: Transmembrane

MW: 24.6 kDa

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]

### Product images:



Circular map for RG236717