

Product datasheet for **RG205998**

TMEM104 (NM_017728) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM104 (NM_017728) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205998 representing NM_017728
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTGAAATTACAGAGACCGGGAACTCTACTCTTCTACGTTGGGCTGGTGTACATGTTTAAAC
 TCATCGTGGGCACGGGCGCACTACCATGCCCAAGGCATTGCGCCACTGCCGGGTGGCTTGTGACGCTCGT
 CCTGCTGGTGTTCTGGGCTTCATGAGCTTCATGACCACCACCTTTGTGATAGAGGCCATGGCTGCAGCC
 AACCGCGCAGTCCACTGGAAGAGGATGGAGAACCTCAAGGAGGAGGAAGATGACGACTCCTCCACAGCCT
 CAGACAGCGATGTTCTCATCCGGGACAACACGAGCGGGCAGAGAAGCGGCCATCCTGTCTGTGCAGAG
 ACGTGGATCTCCAACCCGTTTAAATCACAGACCGGGTGAAATGGGACAAATGGCCTCCATGTTCTTC
 AATAAAGTGGGGTCAACTTGTCTATTTCTGCATCATCGTTTATCTGTATGGAGACCTCGCCATCTATG
 CTGCTGCCGTGCCCTTCCCTCATGCAGGTGACCTGCAGCGCCACTGGCAATGACTCCTGCGGTGTGGA
 AGCAGACACCAAATAACAATGACTGACCGGTGTTGGGGCCCCGCGCCGAGTGGACGCCTACCGCATC
 TACTTGGCGATCTCACTCTCCTCCTCGGACCGTTACCTTCTTTGACGTCCAGAAGACCAAGTACCTGC
 AGATCCTGACCTCTGTATGAGATGGATCGCTTTCGCGCTCATGATTGTGCTGGCCCTGATCCGCATCGG
 GCACGGACAAGGGGAGGGGCACCCGCCCTGGCTGACTTCTCGGGGGTCCGGAACCTGTTTGGGGTGTGC
 GTCTACTCCTTATGTGCCAGCACTCTCTGCCATCCCTCATTACCCCGTCTCCTCCAAGCGCCACCTCA
 CAAGGCTGGTGTCTGGACTACGTGCTGATCCTGGCCTTCTACGGCCTCCTCTCCTTACCAGCCATCTT
 CTGCTCCGCGGGCAGCCTCATGGACATGTACACCTCAACTTCGCGCGCTGTGACGTGTGGGCTG
 GCCGCTGTGCGCTTTTCTGGGCTCTTCCCGTCTTACCATCAGACCAACTCCCCATCATTGCCG
 TGACCTGCGCAACAACGGAAGACACTTCCACCGGAGGGCGGCACGTACCCGTGGGTGGTGGACCG
 CGTCGTGTTTCCACCATCACCTGGTGGCCTGTGCTGGTGGCCTTCTGCACCCACGACCTGGAGTCC
 CTGGTGGGCATCACAGGGCCTACGCGGCACCGCATCCAGTACGTATCCCCGCTTCTGTTGTACC
 ACTGCCGAGGGACCCAGCTGGCCTTTGGTGTGGGTGAGCAACAAGCACAGTCCCCTTCCGCCA
 CACCTTGGGTGGGCTTCGTGCTGCTCTGGGCTTCTCTGCTTATTTCGTACGGCCAATATCATC
 CTCAGCGAGACCAAGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205998 representing NM_017728
 Red=Cloning site Green=Tags(s)

MAGEITETGELYSSYVGLVYMFNLIIVGTGALTMPKAFATAGWLVSLVLLVFLGFMSFMTTTFVIEAMAAA
 NAQLHWKRMENLKEEEDDSSTASDSVLIIRDNYERAERPIILSVQRGSPNPFETDRVEMQMAMSMFF
 NKVGVNLFYFCIIVVLYGDLAIYAAVPPSLMQVTCSATGNDSCGVEADTKYNDTDRCWGLRRVDAYRI
 YLAIFLTLGPFTFFDVQKTKYLQILTSLMRWIAFAVMIVLALIRIGHGQEGHPPLADFSGVRNLFVGC
 VYSFMCQHSLPSLITPVSKRHLTRLVFLDYVLIILAFYGLLSFTAIFCFRGLSLMDMYTLNFAKCDVVGL
 AAVRFFLGLFPVFTISTNFPPIIAVTLRNNWKTLFHREGGTYPWVDRVVFPTITLVPPVLVAFCTHDLES
 LVGITGAYAGTGIQYVIPAFLVYHCRRTQLAFGCGVSNKHRSPFRHTFWVGFVLLWAFSCFIFVTANII
 LSETKL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017728

ORF Size: 1488 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_017728.2](#), [NP_060198.2](#)

RefSeq Size: 3413 bp

RefSeq ORF: 1491 bp

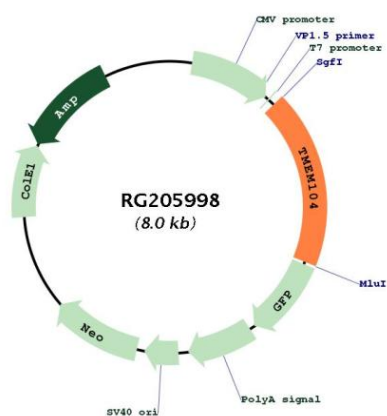
Locus ID: 54868

UniProt ID: [Q8NE00](#)

Cytogenetics: 17q25.1

Protein Families: Transmembrane

Product images:



Circular map for RG205998