

Product datasheet for **RG216659**

TMEM82 (NM_001013641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMEM82
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216659 representing NM_001013641
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTTCTCTTCCATCCCTCCCTCCTGGCTCCCGGCCCTCCCTCCCTCGAGTGGGGCTCTAGCCTCC
TTGACTCCCTCCTGCAAGGCCTGATCGGGCCCTTGGAGTCTTGGTCTGAACAGCCTCTGAAAGTTTA
CTTCTTCGTGGGCTGTGCCAATGACCCGACGGCGACCCGAAAAGGAGCGGCTTCGGGCCAGTGGGCC
TCCCTGGAACCGGTGCACCTGGCAGGGCTGGCCCTGTTTCTGACGGTCTGTTGGGTCCCGGGTGGCTGCC
TCGTGGTGTCTGAGTTCTCCCTCCGGGCCGTGTCCACGCTGCTGTCCCTGGGCAAGGGCTCCAGGGTGC
CGCCGAGAGGCTGCAGCTCTACCTGCTGTGCCAGTACTCGTGGGCTGCGGGCTGACCTGTGGCCTGAGC
TTCCTGCAGGAGGGCGCCCTCACCGCACGCTGAACCTGCTGCTGAGCCTCGGGCTGGCCACGCTGCTGG
GCCTGGGTGCCCGGCCCTCCACCGCCACGTCTGCCGCTCTACGAGCTGCACAGCAGCCAGCGCTACTG
TGGGGTGTGCTGGGCTGTGGCCATGCACATGGCCTCCCCAGCTGCTGGGCCGTGCCCTGGCCATA
GCCTTTGCCGTGGGTGACCTGGCAGCTGTGGCCCTCATCAACCAGGACTTCTGACCACCTCGGAGGCCA
TGCGGTTCTGGACACCGCTACCATCTGCTACACGCTGCTGGTCACTACATGCAGGAGGAGCAGCGGCA
GCACCCCGGCTGCAGAGCCAGGTGCAGACGGTGTGGTGCATGGGCGGCCTCTTCGTGCTGCTGCTG
ACTGTGGGTGCTGGTGGACCTGCTGGGCATCCTGTCTCCCTACTGGGCGAGCTCTGGTGTCTCGTGG
GCGTCCGACGATCTGGCTTGACCTCTGCCAGATACAGGATTTCCATCCAGAGGCCTCCAGTGTCAAC
ACCAAGCCAGCCCTGCCCTCGGCACCCAGTCCAGAGTTCGGCCCCCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



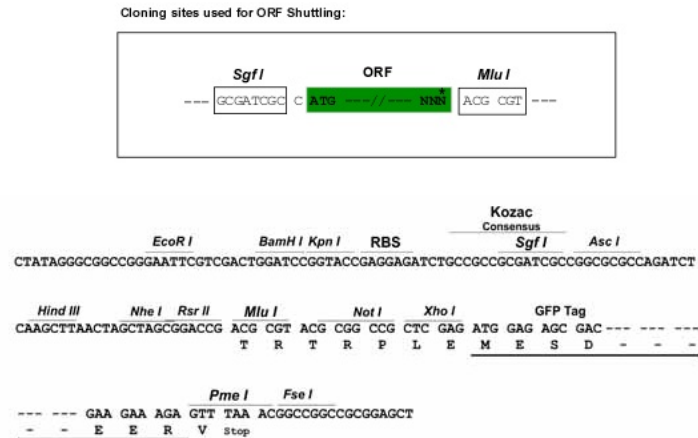
Protein Sequence: >RG216659 representing NM_001013641
 Red=Cloning site Green=Tags(s)

MFSLPSPSWLPGLPSLEWSSLLDSLLQGLIGALGVLVLSNLLKYYFFVGCANDPQRRPEKERLRAQWA
 SLETVHLAFLTVVGSRAALVLEFSLRAYSTLLSLGKGSQGAERLQYLLCQYSLGCLTCGLS
 FLQEGAPHRTLNLNLLSLGLATLLGLGARRLHRHVCRLYELHSSQRYCGVCLGLLAHAGLPQLLGRALAI
 AFAVGDLAAVALINQDFLTSEAMRFWPTLTICYTLLVIYMQEEQRQHPGLQSQVQTVLVRMGGLFVLLL
 TVGRWLDLLGILVSLGELWCLVGVRTIWL DLCQIQDFPSQRPPVSTPSQPLPSAPQSSAPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013641

ORF Size: 1032 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_001013641.1](#), [NP_001013663.1](#)

RefSeq Size: 1520 bp

RefSeq ORF: 1032 bp

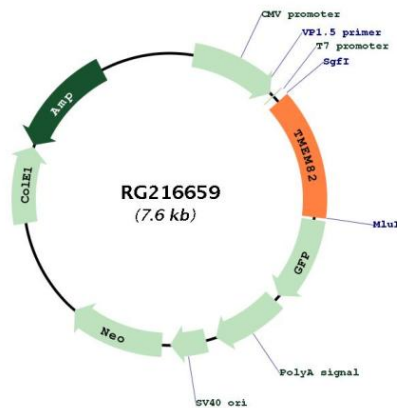
Locus ID: 388595

UniProt ID: [A0PJX8](#)

Cytogenetics: 1p36.21

Protein Families: Transmembrane

Product images:



Circular map for RG216659