

Product datasheet for **RG203739**

TMEM59L (NM_012109) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM59L (NM_012109) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM59L
Synonyms: BSMAP; C19orf4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203739 representing NM_012109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCGGTGGCGCTGATGCCACCGCCGCTGCTGCTGCTGCTGCTGTTGGCGTCGCCGCCGCCCGCT
 CCGCGCGCTCCGCCCGCATCCCTTCGCCCCCAGCTCGGGGACACGCAGAACTGCCAGCTGCGGTGCCG
 CGACCGCGACCTCGGCCCGCAGCCCTCGCAGCGGGGCTGGAGGGCGCCTCCGAGTCTCCCTATGACAGA
 GCCGTTCTGATCAGCGCTTGCAGCGTGGCTGCCGCTCTCTCCATCTGCCGATTTGTGGCCAGAAGCT
 CCAAGCCAATGCCACCCAAACTGAGTGTGAAGCAGCCTGCGTGAAGCCTATGTGAAGGAGGCAGAGCA
 GCAGGCCGTGATGCCACGGCTGCTGGAGCCAGCCCGCGGAGCCTGAGCCGGAGCAGAAGAGAAAGTCTCTG
 GAGGCTCCAAGTGGGGCCCTCTCCCTCTTGACTTGTTCACCCCTCTGCAATGACCTCGTCAACTCAG
 CCCAGGGATTTGTCTCCTCCACCTGGACATACTACTTGCAGACTGACAATGGGAAAGTGGTGGTGTTC
 GACTCAGCCCATAGTGGAGAGCCTCGGCTTCCAGGGGGCCGTGTCAGCGCGTGGAGGTGACCTGGCGA
 GGCTCCCACCTGAAGCCCTGGAGGTGCACGTGGACCTGTAGGCCCCCTGGACAAGGTGAGGAAGGCCA
 AGATCCGAGTCAAGACCAGCAGCAAGGCCAAGGTGGAGTCTGAAGAGCCACAGGACAATGACTTCCTCAG
 TTGCATGTCCCGCGCTCGGGTCTGCCTCGCTGGATCCTGGCCTGCTGCCTCTTCTCCTCCGTGCTGGT
 ATGCTGTGGCTGAGCTGCTCCACCTGGTGACCGCGCCTGGCAGCACCTCAAGTTCAGCCTCTGACCC
 TGGAGCAGCACAAGGGCTTCATGATGGAGCCCGATTGGCCCTGTACCCGCCCGTCCCACGCTGTGA
 GGACAGCCTACCACCCTACAAGCTGAAGCTGGACCTGACCAAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203739 representing NM_012109
 Red=Cloning site Green=Tags(s)

MAAVALMPPPLLLLLLLASPPAASAPSARDPFAPQLGDTQNCQLRCRDRDLGPQPSQAGLEGASESPYDR
 AVLISACERGCRLFSICRFVARSSKPNATQTECEAACVEAYVKEAEQQACSHGCWSQPAEPEPEQKRKVL
 EAPSGALSLDLFSTLCNDLVNSAQGFVSTWTYYLQTDNGKVVVFQTQPIVESLGFQGGRLQRVEVTWR
 GSHPEALEVHVDVPVGPLDKVRKAKIRVKTSSKAKVESEEPQDNDFLSCMSRRSGLPRWILACCLFSLVLV
 MLWLSCSTLVTAPGQHLKFQPLTLEQHKGFMMEPDWPLYPPPSHACEDSLPPYKLLDLTKL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012109

ORF Size: 1026 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_012109.2](#), [NP_036241.1](#)

RefSeq Size: 1712 bp

RefSeq ORF: 1029 bp

Locus ID: 25789

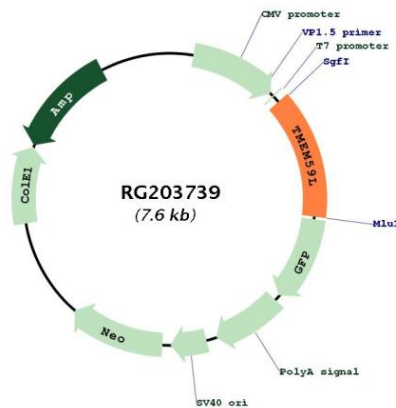
UniProt ID: [Q9UK28](#)

Cytogenetics: 19p13.11

Protein Families: Transmembrane

Gene Summary: This gene encodes a predicted type-I membrane glycoprotein. The encoded protein may play a role in functioning of the central nervous system. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203739