

Product datasheet for **RG236142**

TMEM40 (NM_001284408) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM40 (NM_001284408) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM40
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236142 representing NM_001284408.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACTTCAGCATCCTCCTCCAGCCTCAGGACAACAGTCAAGTCCACAGAGAAACAGAAGATGTA
GACTGTCTGGGCATGGGAGCCTGACGTTTTGAAGGATGAGCTTCAACTCTATGGAGATGCTCCTGGG
GAGGTGGTACCCTCTGGGAATCAGGACTCCGAAGGAGAGGCTCTGACCCAGCAAGTGGAGAAGTGGAG
GCCTCTCAGTTAAGAAGACTGAATATAAAGAAAGATGATGAGTTTTCCATTTTCGTCCTCCTGTGCTTT
GCCATCGGGCCTTGCTGGTGTGTATCACTATTACGCAGACTGGTTCATGTCTCTTGGGGTCGGCCTG
CTCACCTCGCCTCCCTGAAACCGTTGGCATCTACTTCGGACTAGTGTACCGTATCCACAGCGTCCTC
CAAGGCTTCATCCCCTCTTCCAGAAGTTTAGGCTGACAGGGTTCAGGAAGACTGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236142
 Blue=ORF Red=Cloning site Green=Tag(s)

```
METSASSSQPDNSQVHRETEDVDCPHGEPDVLKDELQLYGDAPGEVVPVSGESGLRRRGRSDPASGEVE
ASQLRRLNIKKDDEFHFVLLCFAIGALLVCYHYADWFMVSLGVLLTFASLETVGIYFGLVYRIHSVL
QGFIFLQKFRLTGFRKTD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001284408

ORF Size: 471 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_001284408.2](#)

RefSeq Size: 1845 bp

RefSeq ORF: 474 bp

Locus ID: 55287

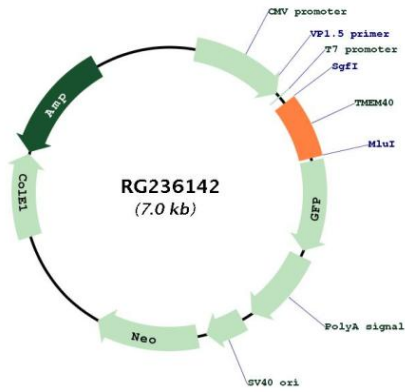
UniProt ID: [Q8WWA1](#)

Cytogenetics: 3p25.2

Protein Families: Transmembrane

MW: 18 kDa

Product images:



Circular map for RG236142