

Product datasheet for **RG237050**

TMEM117 (NM_001286211) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM117 (NM_001286211) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237050 representing NM_001286211. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTAAGACTTTCGTTACTATTTCCAGCATCCCTGGTCTCGCATGATTGTGGCTTACTTGGTGATC
TTCTTTAACTTCTTAATATTTGCGGAGGACCCAGTTTCTCATAGCCAAACAGAAGCCAATGTTATTGTT
GTTGAAACTGTTTTTCATTTGTTACAAATAAATACCCTAGAGGAGTTGGCTGGAGGATTTTGAAGGTG
CTTCTATGGCTACTTGCCATTCTCACAGGACTAATAGCTGGCAAATTTCTGTTCCATCAGCGTTTGT
GGTCAGTTGCTCCGATTAATAATGTTTCGAGAAGATCATGGGTCGTGGATGACAATGTTCTTCAGCACA
ATTCTTTTCTCTCATATTTTTCACATATAACAACAGATTCTTCTAATGGATGGGAACATGGGAGCA
TATATCATTACAGACTATATGGGCATCCGAAATGAAAGTTTCATGAAATTAGCTGCAGTAGGGACCTGG
ATGGGGGACTTTGTACAGCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCCTATCCTGACTGG
GGAAAATCAGCAAGAGCTTTCTGGAAGAAAGGAAATGTTAGGATCACTTTATTCTGGACAGTTCTTTTT
ACTCTGACGTCTGTGTTGACTTGTGATTACAACGGACTGGATCAGCTGGGACAAGCTGAATCGGGGA
TTTTTGCCAGTGATGAAGTTCCAGAGCATTCTTGCTCTTTTATCTTGGTCTTTGACCTTCTTATT
GTGATGCAGGCAAATGGTTAACTATGGAATTATCTTCCTCGTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



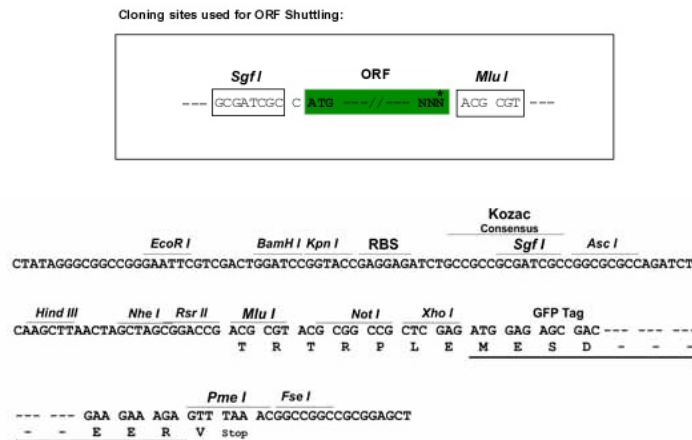
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237050
 Blue=ORF Red=Cloning site Green=Tag(s)

MGKDFRYFQHPWSRMIVAYLVIFFNFLIFAEDPVSHSQTEANVIVVGNCFSFVTNKYPRGVGWRLKVL
 LLWLLAILTGLIAGKFLFHQRLFGQLLRLLKMFREDHGWSMTMFFSTILFLFIFSHIYNTILLMDGNMGA
 YIITDYMGRNESFMKLAAVGTWMGDFVTAWMVTDMMLQDKPYPDWGKSARAFWKKGNVRITLFWTVLF
 TLTSVVVLVITTDWISWDKLNRFGLPSDEVSRAFLASFILVFDLLIVMQANGLTMELSSSS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001286211

ORF Size: 804 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).

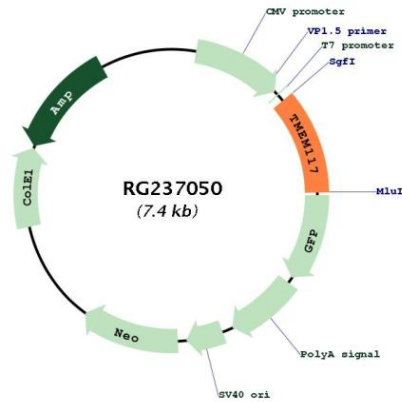
RefSeq: [NM_001286211.1](#), [NP_001273140.1](#)

RefSeq Size: 2874 bp

RefSeq ORF: 807 bp

Locus ID:	84216
Cytogenetics:	12q12
Protein Families:	Transmembrane
MW:	31.6 kDa
Gene Summary:	Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG237050