

Product datasheet for **RG237779**

TMEM117 (NM_001286213) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM117 (NM_001286213) 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:	>RG237779 representing NM_001286213. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCATCCGAAATGAAAGTTTCATGAAATTAGCTGCAGTAGGGACCTGGATGGGGACTTTGTCACA
GCTTGGATGGTCACTGATATGATGCTTCAGGACAAACCCTATCCTGACTGGGGAAAATCAGCAAGAGCT
TTCTGGAAGAAAGGAAATGTTAGGATCACTTTATTCTGGACAGTTCTTTTACTCTGACGTCTGTGGTT
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GTTCCAAGCCTGATAGCCTTTGTGTGGTTTGGATTCTTTATTTGGTTCTTTGGACGATTTTAAAAAT
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GTTTGCATCAGGTCTGACTTCAATGAGATCGTCTACAAGTCTCCACCTAACCTCGGAAAACCTTGAGC
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ACGAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



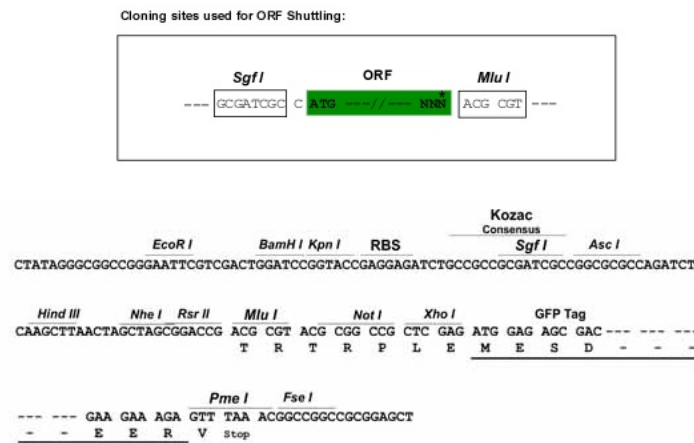
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237779
 Blue=ORF Red=Cloning site Green=Tag(s)

MGIRNESFMKLAAVGTWGMDFVTAWMVTDMMLQDKPYPDWGKSARAFWKKGNVRITLFWTVLFTLTSVV
 VLVITTDWISWDKLNRFGLPSDEVSRAFLASFILVFDLLIVMQDWEFPHFMGDVDVNLPLHTPHMQFK
 IPFFQKIFKEEYRIHITGKWFNYGIIFLVLILDLMWKNQIFYKPHEYGQYIGPGQKIYTKDSESLKD
 LNRTKLSWEWRSNHTNPRTNKTYVEGDMFLHSRFIGASLDVKCLAFVPSLIAFVWFGFFIWFGRFLKN
 EPRMENQDKTYTRMKRSPSEHSKDMGITRENTQASVEDPLNDPSSLVCIKRSDFNEIVYKSSHLTSENLS
 SQLNESTSATEADQDPTTSKSTPTN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286213

ORF Size: 1110 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.

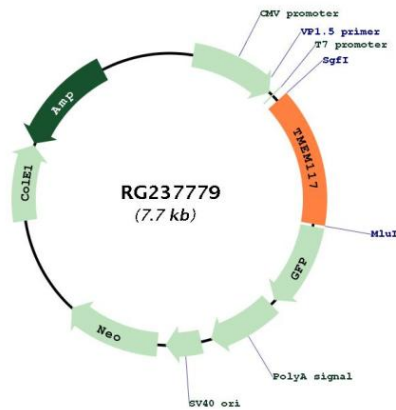
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001286213.1](#), [NP_001273142.1](#)

RefSeq Size: 2871 bp

RefSeq ORF:	1113 bp
Locus ID:	84216
UniProt ID:	<u>Q9H0C3</u>
Cytogenetics:	12q12
Protein Families:	Transmembrane
MW:	43.6 kDa
Gene Summary:	Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG237779