

Product datasheet for **RC238046**

TMEM117 (NM_001286212) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM117 (NM_001286212) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM117
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238046 representing NM_001286212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTTGCCATTCTCACAGGACTAATAGCTGGCAAATTTCTGTTCCATCAGCGTTTGTGGTCAG
TTGCTCCGATTAATAATGTTTCGAGAAGATCATGGGTCGGATGACAATGTTCTTCAGCACAATCTCT
TTCTCTTCATATTTCTCACATATACAACACGATTCTTCTAATGGATGGGAACATGGGGTCACTGATATG
ATGCTTCAGGACAAACCCTATCCTGACTGGGAAAATCAGCAAGAGCTTTCTGGAAGAAAGAAATGTTA
GGATCACTTTATTCTGGACAGTCTTTTTACTCTGACGCTGTGGTTGTACTTGTGATTACAACGGACTG
GATCAGCTGGGACAAGCTGAATCGGGGATTTTTGCCAGTGATGAAGTTCCAGAGCATTCTTGCTTCT
TTTATCTTGGTCTTTGACCTTCTATTGTGATGCAGGACTGGGAATCCACATTTTCATGGGAGATGTTG
ATGTAATCTCCCTGGTTTGACACCCCTCACATGCAGTTCAAGATTCTTTCTCCAGAAAATCTTCAA
GGAGGAATATCGTATTCACATAACAGGCAAATGGTTAACTATGGAATTATCTTCTCGTCTTGATTTTG
GATCTTAATATGTGGAAGAACCAATATTTTATAAACCTCATGAATATGGGCAATATATCGGCCCGGGC
AGAAGATATACAGTGAAGACTCAGAAAGTTTAAAAGATTTGAACAGAACCAAGCTATCTGGGAATG
GAGGTCCAATCACACTAACCCCTCGACTAATAAACATATGTTGAGGGAGACATGTTCTTACACAGCAGG
TTCATAGGAGCCAGTCTTGATGTCAAGTGTCTGGCCTTTGTTCCAAGCCTGATAGCCTTTGTGTGTTTTG
GATTCTTTATTTGGTTCTTTGGACGATTTTTGAAAAATGAGCCACGCATGGAGAATCAAGACAAACTTA
CACTCGCATGAAAAGAAAATCTCCATCAGAACATAGCAAAGACATGGGAATCACTCGAGAAAACCCAG
GCTTCAGTAGAAGACCCCTTGAATGACCCTTCTTTGGTTTGCATCAGGTCTGACTTCAATGAGATCGTCT
ACAAGTCTCCACCTAACCTCGAAAACCTTGAGCTCACAGTTGAACGAATCTACTAGTGAACAGAAGC
TGATCAAGACCAACGACTTCTAAAAGTACACCTACGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238046 representing NM_001286212
 Red=Cloning site Green=Tags(s)

MATCHSHRTNSWQISVPSAFVWSVAPIKNVSRSSWVDDNVLQHNSLSLHIFSHIQHDSSNGWEHGVTDM
 MLQDKPYPDWGKSARAFWKKGNVRITLFWTVLFTLTSVVVLVITTDWISWDKLNRFPSDEVSRFLAS
 FILVFDLLIVMQDWEFPHFMGDVDVNLPLGLHTPHMQFKIPFFQKIFKEEYRIHITGKWFNYGIIFLVLIL
 DLNMWKNQIFYKPHEYGQYIGPGQKIYTVKDESELKDLNRTKLSWEWRNHTNPRTNKTYVEGDMFLHSR
 FIGASLDVKCLAFVPSLIAFVWFGFFIWFFGRFLKNEPRMENQDKTYTRMKRKSPEHSKDMGITRENTQ
 ASVEDPLNDPSLVCIRSDFNIEIVYKSSHLTSENLSQLNESTSATEADQDPTTSKSTPTN

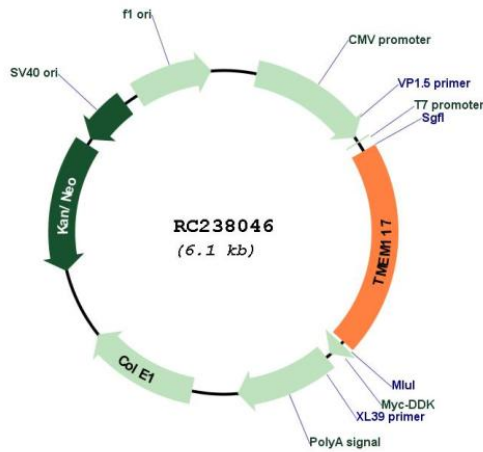
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286212

ORF Size:	1230 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:	<ol style="list-style-type: none">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_001286212.1 , NP_001273141.1
RefSeq Size:	2904 bp
RefSeq ORF:	1233 bp
Locus ID:	84216
Cytogenetics:	12q12
Protein Families:	Transmembrane
MW:	48.2 kDa
Gene Summary:	Involved in endoplasmic reticulum (ER) stress-induced cell death pathway.[UniProtKB/Swiss-Prot Function]