

Product datasheet for **RC238445**

TMEM161B (NM_001289008) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM161B (NM_001289008) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM161B
Synonyms:	FLB3342; PRO1313
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238445 representing NM_001289008
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGTGATGGCCAGTGTTCATGCAGAAGATTATACCTCACTATTCTCTTGCTCGATGGCTACTCTGTAATG
 GCAGTTTGAGGTGGTATCAACATCCTACAGAAGAAGTAAGAATTCTTGCAGGGAAACAACAAAAAGG
 GAAAACCAAAAAAGATAGGAAATATAATGGTCACATTGAAAGTAAGCCATTAAACCATTCCAAAGGATATT
 GACCTTCATCTAGAAACAAAGTCAGTTACAGAAGTGGATACTTTAGCATTGCATTACTTTCCAGAATACC
 AGTGGCTGGTGGATTTACAGTGGCTGCTACAGTTGTGTATCTAGTAAGTGAAGTCTACTACAATTTTAT
 GAAGCCTACACAGGAAATGAATATCAGCTTAGTCTGGTGCCTACTTGTCTTTGCTTTGCAATCAAAGTT
 CTATTTTCATTAACACACTATTTTAAAGTAGAAGATGGTGGTGAAGATCTGTTTGTGCACCTTTG
 GATTTTTTTCTTTGTCAAAGCAATGGCAGTGTGATTGTAACAGAAAATTATCTGGAATTTGGACTTGA
 AACAGGGTTTACAAATTTTTCAGACAGTGCAGTGCAGTTCTTGAAGCAAGGTTTAGAATCTCAGAGT
 CCTGTTTCAAACTTACTTTCAAATTTTCTGGCTATTTCTGTTCATTCAATGGGGCTTTTTGACAT
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 TACATTATGAACCCACCACTGGGCAAAGAAAGTATCCCTTTAATGACAGAAGCCACATTCGATACTCTGC
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 ATGAAGGTAAGTGTACACAAATAACAGTGGCACTGAGCAGCTTAAAAAATTTTTACTCTCTCTTT
 TTCGAGGACTTCTGTCTTTCTGACCTGGTGGATTGCTGCTTGCCTCTTTCTACAAGCCTTTTGGGCT
 TTTCTATCACCAGTATCTGACTGTGGCA

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

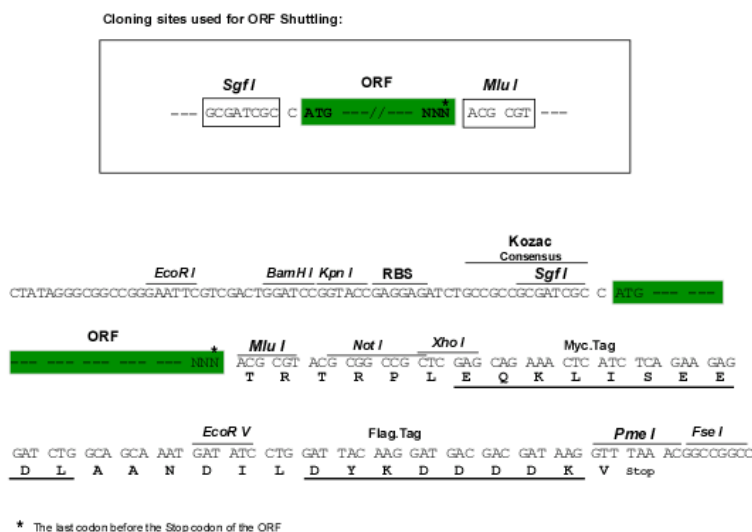
>RC238445 representing NM_001289008
 Red=Cloning site Green=Tags(s)

MVMASVMQKIIPHYSLARWLLCNGSLRWYQHPTEELRILAGKQKQKTKKDRKYNHIESKPLTIPKDI
 DLHLETKSVTEVDLALHYFPEYQWLVDFTVAATVVYLVEVYVNFMKPTQEMNISLVWCLLVLSFAIKV
 LFSLTTHYFKVEDGGERSVCVTFGFFFFVKAMAVLIVTENYLEFGLETGFTNFSDSAMQFLEKQGLSQS
 PYSKLTFFKFLAIFCSFIGAFLTFPGLRLAQMHLDALNLATEKITQTLLHINFLAPLFMVLLWVKPITKD
 YIMNPPLGKESIPLMTEATFDLRLWLIIILLCALRLAMMRSHLQAYLNLAQKCVDMKKEAGRISTVELQ
 KMVARVFYFLCVIALQYVAPLVMLLHTLLLLKTLGNHWSGIYPESISTLPVDNSLLSNSVYSELPSEAGK
 MKVTVTQITVALSSLKNIFTPLFRGLLSFLTWWIAACLFSTSLFGLFYHQYLTVA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001289008

ORF Size: 1428 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001289008.1](#), [NP_001275937.1](#)

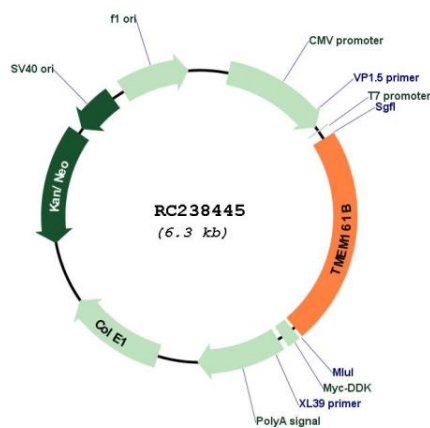
RefSeq Size: 2766 bp

RefSeq ORF: 1431 bp

Locus ID: 153396

Cytogenetics: 5q14.3
Protein Families: Transmembrane
MW: 54.8 kDa

Product images:



Circular map for RC238445