

Product datasheet for **RC236778**

TMEM150B (NM_001282011) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM150B (NM_001282011) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM150B
Synonyms: DRAM3; TMEM224; TTN2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC236778 representing NM_001282011
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGGCTACCTGTCGCTGATGCCTGTCTTCCCTAGCTGTCTGGGCTATCTCTGGCGTCTGGATCGTTT
TTGCCATTGCAGTGACCAACAGGACTGTGGACCTCAGTAAAGGCTTCCCTACATCAGCATCTGCGGATC
CTTCCCCCTCAGAGCTGCATCTTCAGCCAGGTGCTCAATATGGGAGCTGCTCTGGCCGCTGGATCTGC
ATTGTCCGTTACCACCAGCTCCGGGACTGGGGCTCAGAAGGTGGCTAACCAGCTGATCCTATGGACGG
GTCTTCTGTGTGCCCTGGGCACCTCCGTGGTAGGCAATTTCCAGGAAAAGAACCGGGCCTACGCACTT
GGCAGGGGCTTCCCTTGCCTTCACTTGGGTAAGTCTACTTCTGGCTGCAGCTCCTCCTGTGGAGGCTG
AAGAGGCTGCCCCAGCCCGGGCTGCCTGGATTGGGCCCCCTCCGCTGGGCTCTGCAGCGTCTGCACCA
TCCTCATTGTGGCCATGATCGTCTCCACGCTGCTCGCTGCGTAGCGTCTCTGCGGCTGCGAGTGGGT
CGTGGCCATGCTGCTGTTGCGGCTCTTCGGTCTCTTAGCCGTTGACTTCTCCGCCCTGGAGAGCTGCACC
CTGTGTGTTACGCCGTGGCCAGCCTCAGCCCCCGCCGGCTCCCCATCTCCTGCGGTTCCAGCTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236778 representing NM_001282011
 Red=Cloning site Green=Tags(s)

MWGYLSLMPVFLAVWAIISGVWIVFAIAVTNRTVDLSKGFYISICGSFPPQSCIFSQVLNMGAALAAWIC
 I VRYHQLRDWGVRRWP NQLILWTGLL CALGTSVVGNFQEK NQRPTHLAGAFLAFILGNVYFWLQLLLWRL
 KRLPQPGA AWIGPLRLGLCSVCTILIVAMIVLHACSLRSVSAACEVWVAMLLFALFGLLAVDFSALESCT
 LCVQPWPSLSPPPASPI SLPVQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1257_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001282011

ORF Size: 699 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.

RefSeq: [NM_001282011.2](#)

RefSeq Size: 982 bp

RefSeq ORF: 702 bp

Locus ID: 284417

UniProt ID: [A6NC51](#)

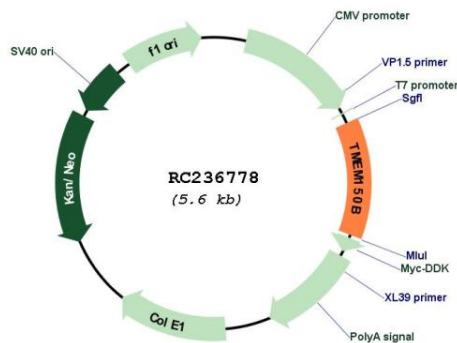
Cytogenetics: 19q13.42

Protein Families: Transmembrane

MW: 25.7 kDa

Gene Summary: This gene encodes a protein that belongs to the DRAM (damage-regulated autophagy modulator) family of membrane-spanning proteins. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC236778