

Product datasheet for **RC225729**

TMEM118 (RNFT2) (NM_001109903) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM118 (RNFT2) (NM_001109903) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM118
Synonyms:	TMEM118
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC225729 representing NM_001109903
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTCTTCACAGTGAATCAGGTGTTAAGGAAGATGCAGAGACGCCACAGCAGCAACACGGATAACA
 TTCACCTGAAAGAAACCGCAGCCAGGCCGCTCAGCTCCGAGGCGAGTGTGGATGAAGGTGGCGTCTTTGA
 GAGTCTGAAGGCAGAGGCAGCCTCCCCACCAGCGCTTCTCGGGCTTATCAGGCAGCCTCCCCACCAGC
 TCGTTCCCTCCAGCCTGGTGTGGGCTCCTCGGCTGGCGGCGGGGACGTGTTTCCAGATGCCCGCGT
 CCAGGGAGGAAGGAGGGGGCCGGGGCGAGGGGGGCGCCTACCACCACCGCCAGCCCCACCACATTTCCA
 CCATGGCGGCCACCGGGGGCTCCCTGCTGCAGCACGTGGTGGGACCACCGGGGCACTCGGAGGAG
 GGAGGCGACGAGCAGCCTGGGACGCCGCCCGCCCTGTCCGAGCTGAAGGCTGTGATCTGCTGGCTCC
 AGAAAGGACTCCCCTTATCCTGATCCTCTGGCCAACTGTGCTTTAGCATAAGCTCGCATTGCTGT
 GTGCATCGGGATGCCAGCACCTTCGCCTATGCCAACTCCACGCTTCGAGAACAGGTCTCACTGAAGGAG
 AAGAGGTCAAGTGTGGTATCTTGTGGATCCTGGCCTTTCTGGCGGGAACACCTCTATGTGCTTTATA
 CATTACAGCTCCCAGCAGCTGTACAACAGCCTCATATTCCTGAAGCCCAACCTGGAGATGTGGACTTCTT
 TGACCTGCTATGGATTGTGGGATCGCAGACTTTGTTCTGAAGTACATACCATCGCCCTCAAGTGCCTC
 ATCGTGGCCCTGCCAAGATCATCTGGCTGTCAAGTCCAAGGAAAGTTCTATCTGGTATCGAGGAGC
 TGAGCCAGCTGTTCCGATCCCTGTCCCATCCAGCTGTGGTACAATAACATCATGGGTGACGACTCCTC
 CAACAGCTACTTCTGGCGGGGCTGATCGTTCTACAGCCTCTGCAAGTCTTCGACATCTGTGGA
 CGTGTGGGCGGAGTTAGGAAAGCCCTGAAGCTTCTGTACCTCTCAGAATAAGGAGTCCGAGCCACCG
 GGCAGCAGTGCAGAAAGCTGGTACATCTGCCCATCTGTGAGCCGAGTCCGAGAGCCTCTGATTCT
 CCTGTGCCAGCAGTGTCTGTGAGGAGTGCCTTCGCCTGTGGCTGGACCGTGAGCGCACCTGCCCGCTC
 TGCCGCTCGGTCGCCGTGGACACCCTGCCTGCTGGAAGGACGGCGCCACGTCCGCACACTTCCAGGTGT
 AC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225729 representing NM_001109903
 Red=Cloning site Green=Tags(s)

MWLFVNQVLRKMQRRHSSNTDNIPPERNRSQALSSEASVDEGGVFESLKAEASPPALFSGLSGSLPTS
 SFPSSLVLGSSAGGDVFIQMPASREEGGRGEGGAYHHRQPHHHFHGGHRRGSLQHVGGDHRGHSEE
 GGDEQPGTPAPALSELKAVICWLQKGLPFILILLAKLCFQHKLGIAVCIGMASTFAYANSTLREQVSLKE
 KRSVLVILWILAFLAGNTLYVLYTFSSQQLYNSLIFLKPNEMLDFFDLLWIVGIADFVLYITIALKCL
 IVALPKIILAVKSKGFYLVIEELSQLFRSLVPIQLWYKYMGGDSSNSYFLGGVLIIVLYSLCKSFIDICG
 RVGGVRKALKLLCTSQNYGVRATGQQCTEAGDICAICQAEFREPLILLCQHVFCCECLCLWLDRERTCPL
 CRSVAVDTLRCWKDGATSAHFQVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3559_b05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001109903

ORF Size: 1332 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_001109903.1](#), [NP_001103373.1](#)

RefSeq ORF: 1335 bp

Locus ID: 84900

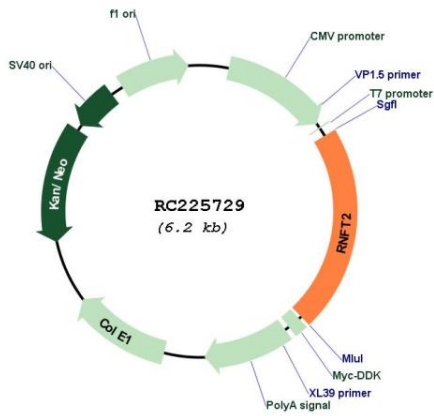
UniProt ID: [Q96EX2](#)

Cytogenetics: 12q24.22

Protein Families: Transmembrane

MW: 48.8 kDa

Product images:



Circular map for RC225729