

Product datasheet for **RC239146**

TMTC4 (NM_001286453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMTC4 (NM_001286453) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMTC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC239146 representing NM_001286453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCGTGTTGGACACTGATTTGGATCACATTCTTCATCTTCTGTTCTTCTCCATTCTGGGCTAAGT
 TAGTAGTGGGATCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTC
 AGAAGCTATTGTTAAACAATAAGGTTGCTGGTGTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTC
 TTGTTATCTTTCTTGGCTACTGTAAAGCATTAGAGAAAGTAACAAGGAGGAGCGCATTCTTCCACCT
 TCTGGGTGCTGCTGAGTATCTTCTGGGAGCAGTGGCCATGCTGTGCAAAGAGCAAGGGATCACTGTGCT
 GGGTTTAAATGCGGTATTTGACATCTTGGTGATAGGCAAATTCATGTTCTGGAAATGTCCAGAAGGTA
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 TGCTCACCTCTGGAGGGCTGGGATGCTCTACGTGCGCTGGAGGATCATGGGCACGGGCCCGCCGCCCTT
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 GGCATCAGGAATAAGGAGAATTACGGTCTGCTGAGAAGAAAGCTAGAACTAATGCAAAAGAAAGCTGTC

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Protein Sequence:

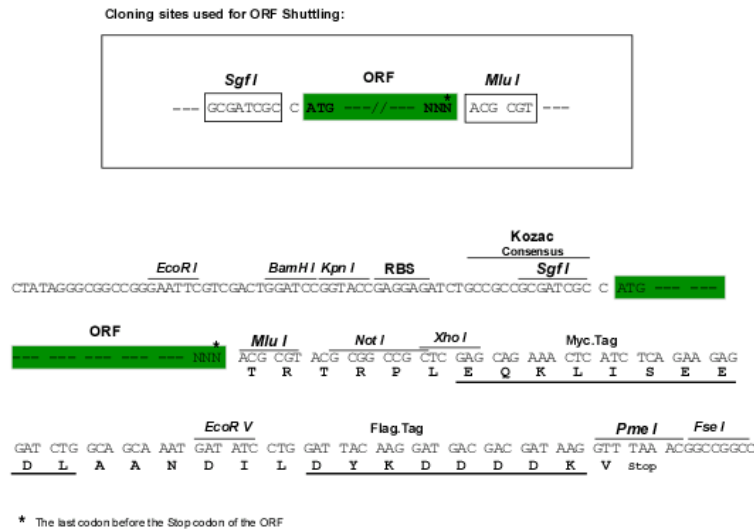
>RC239146 representing NM_001286453
 Red=Cloning site Green=Tags(s)

MAVLDTDLDHILPSSVLPPFWAKLVVGSVAIVCFARSYDGFVFDSEAIYNNKVAGVVGRADLLCALFF
 LLSFLGYKAFRESNKEGAHSSTFWLLSIFLGAVAMLCKEQGITVLGLNAVFDILVIGKFNVLIVQKV
 LHKDKSLENLGMRLNGGLLFRMTLLTSGGAGMLYVRWRIMGTGPPAFTEVDNPAFADSMVLVRAVNNYY
 YSLNAWLLLCPWWLCFDWSMGCIPLIKISDWRVIALAALWFCLIGLICQALCSEDGHKRRILTLGLGFL
 VIPFLPASNLFFRVGFVVAERVLVLPVGYCVLLTFGFGALSKHTKKKKLIAAVVLGILFINTLRCVLR
 GEWRSEEQLFRSALSVCPLNAKVHYNIGKNLADKGNQTAIRYYREAVRLNPKYVHAMNNLGNILKERNE
 LQEAEEILLSAVQIQPDFAAAWMNLGIVQNSLKRFEAAEQSYRTAIKHRRKYPDCYYNLGRLYADLNRHV
 DALNAWRNATVLKPEHSLAWNMIILLDNTGNLAQAEAVGREALELIPNDHSLMFLANVLGKSQKYKES
 EALFLKAIKANPNAASYHGNLAVLYHRWGHLDLAKKHYESLQLDPTASGTKENYGLLRKLELMQKKAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286453

ORF Size: 1890 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_001286453.3](#)

RefSeq Size: 3314 bp

RefSeq ORF: 1893 bp

Locus ID: 84899

UniProt ID: [Q5T4D3](#)

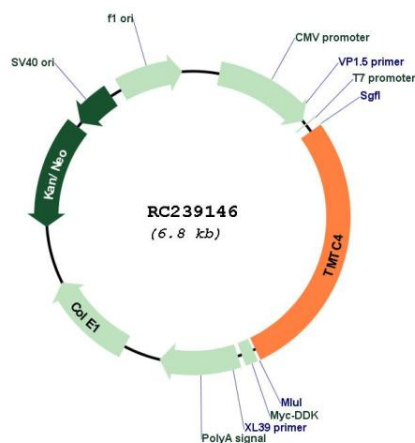
Cytogenetics: 13q32.3

Protein Families: Transmembrane

MW: 71 kDa

Gene Summary: This gene encodes a transmembrane protein that belongs to family of proteins containing an N-terminal transmembrane domain and a C-terminal tetratricopeptide repeat (TPR) domain. TPR domains mediate protein-protein interactions in various cellular processes, such as synaptic vesicle fusion, protein folding, and protein translocation. A pseudogene of this gene has been defined on chromosome 5. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RC239146