

Product datasheet for **SC318243**

TMTC4 (NM_032813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMTC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318243 representing NM_032813.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTCCTAACCAGCATAATGCTGGAGCCGGGAGCCACCAACCTGCAGTTTTTCAGAATGGCCGTGTTG
GACACTGATTTGGATCACATTCTTCCATCTTCTGTTCTTCTCCATTCTGGGCTAAGTTAGTAGTGGGA
TCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTCAGAAGCTATT
GTTAAACAATAAGGACCTCCAAGCAGAAACGCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
AGACTGAGCAGAACACCAGCCACAAGTCTACCGGCTCTCACCGTCTGACTTTCAGGATTAACCTAC
TACCTCTCGGGAGGCTTCCACCCCGTGGGCTTTACGTGGTCAACATCCTCCTGCACAGTGGCATCTCT
GTCCTCATGGTGGACGCTTCTCGGTTCTGTTTGGCGGCTGCAGTACACCAGTAAAGGCCGGAGGCTG
CACCTCGCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGTGTCCATCCTGTGCACACCGAGTGT
GTTGCTGGTGTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTCTGTTATCTTCTTGGCTAC
TGTAAGCATTAGAGAAAGTAAAGGAGGGAGCGCATTCTCCACCTCTGGGTGCTGCTGAGTATC
TTTCTGGGAGCAGTGGCCATGCTGTGCAAGAGCAAGGGATCACTGTGCTGGGTTAAATGCGGTATTT
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TTAGAGAACTCGGCATGCTCAGGAACGGGGCCCTCCTCTCAGAATGACCTGCTCACCTCTGGAGGG
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CCGGCCTCCTTTGCTGACAGCATGCTGGTGAGGGCCGTAACACTACAATTACTACTATTCAATTGAATGCC
TGGCTGCTGCTGTGCTCCCTGGTGGCTGTGTTTTGATTGGTCAATGGGCTGCATCCCCCTCATTAAGTCC
ATCAGCGACTGGAGGTAATTGCACCTGCAGCACTCTGTTTCTGCCTAATTGGCCTGATATGCCAAGCC
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CGGAGTGAGGAACAGCTTTTCAGAAGTGCTCTGTCTGTGTGCCCTCAATGCTAAGGTTCACTACAAC
ATTGGCAAAAACCTGGCTGATAAAGGCAACCAGACAGCTGCCATCAGATACTACCGGGAAGCTGTAAGA
TTAAATCCCAAGTATGTTTCATGCCATGAATAATCTTGAAATATCTTAAAGAAAGGAATGAGCTACAG
GAAGCTGAGGAGCTGCTGTCTTTGGCTGTTCAATACAGCCAGACTTTGCCGCTGCGTGGATGAATCTA
GGCATAGTGCAGATAGCCTGAAACGGTTTGAAGCAGCAGAGCAAGTTACCGGACAGCAATTAACAC
AGAAGGAAATACCCAGACTGTTACTACAACCTCGGGCGTCTGTATGCAGATCTCAATCGCCACGTGGAT
GCCTTGAAATGCGTGGAGAAATGCCACCGTGTGAAACCAGAGCACAGCCTGGCCTGGAACAACATGATT
ATACTCCTCGACAATACAGGTAATTAGCCCAAGCTGAAGCAGTTGGAAGAGAGGCACTGGAATTAATA
CCTAATGATCACTCTCATGTTCTCGTTGGCAAACGTGCTGGGGAATCCAGAAATACAAGGAATCT
GAAGCTTTATTCTCAAGGCAATTAAGCAAAATCCAAATGCTGCAAGTTACCATGGTAATTTGGCTGTG
CTTTATCATCGTTGGGACATCTAGACTTGGCCAGAAACACTATGAAATCTCCTTGACGCTTGACCCC
ACGGCATCAGGAATAAGGAGAATTACGGTCTGCTGAGAAGAAAGCTAGAACTAATGCAAAAGAAAGCT
GTCGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:

SgfI-MluI

ACCN:

NM_032813

Insert Size:

2283 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_032813.3</u>
RefSeq Size:	3857 bp
RefSeq ORF:	2283 bp
Locus ID:	84899
UniProt ID:	<u>Q5T4D3</u>
Cytogenetics:	13q32.3
Domains:	TPR
Protein Families:	Transmembrane
MW:	85 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] Transcript Variant: This variant (1) lacks an alternate in-frame exon in the 5' coding region, compared to variant 4. The encoded isoform (1) is shorter than isoform 4. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.