

Product datasheet for **SC100343**

TMEM150A (NM_153342) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: TMEM150A

Synonyms: TM6PI; TMEM150; TTN1

Mammalian Cell None

Selection:

Vector: pCMV6-XL4

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC100343 sequence for NM_153342 edited (data generated by NextGen Sequencing)

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ATGTATGCCCTGTGGAGAACTGGTCCTACAACGAGTCCTGCCCTCCTGACCCTGCTGAGC
AAGGGGGTCCCAAGACCTGCTGCACCCTGGACGATGTCCCCTCATCAGTGGCCCTGATC
TGCCTCCTGCGCTACGGGCAGCTCCTGGAGCAGAGTCGGCACTCTTGGGTTAACACCACG
GCACTCATCACAGGCTGCACCAACGCTGCGGGCCTCTTGGTGGTTGCAACTTTCAGGTG
GATCATGCCAGGTCTCTGCACTACGTTGGAGCTGGCGTGGCCTTCCCTGCGGGGCTGCTC
TTTGTTCCTGCACTGTGCTCTCTCTACCAAGGGGCCACCGCCCGCTGGACCTGGCT
GTGGCCTATCTGCGAAGTGTGCTGGCTGTCATCGCCTTATCACCTGGTCTCAGTGGA
GTCTTCTTTGTCCATGAGAGTTCTCAGCTGCAACATGGGGCAGCCTGTGTGAGTGGGTG
TGTGTATCGATATCCTCATTTTCTATGGCACCTTCAGCTACGAGTTTGGGGCAGTCTCC
TCAGACACACTGGTGGCTGCACTGCAGCCTACCCCTGGCCGGGCCTGCAAGTCTCCGGG
AGCAGCAGCACCTCCACCCACCTCAACTGTGCCCCGAGAGCATCGCTATGATCTAA
```

Clone variation with respect to NM_153342.2
497 c=>t



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_153342 unedited
GTCCGATTTTGTAAACACGACTCACTATAGGGCGGCCGCGCAATCGGCACGAGGCCGAGC
TATAGTCGGCGCCACAGGGGGCCGAGCAGGGTGCGGCGGCCGGGGCGCTCCGGGGAGG
CCAGGACAGCTGATGGTTGTGGCAGAAACATCTCAAGGTAGCTGGTCCGCCCCCACTTCC
CCATCTACCTCTTGTCTCTCCCCCAACACCACCACCACCCTGGCTCCCCTCCCTCATGAC
CGCCTGGATCCTCTGCCTGTCAGCCTGTCAGCGTTCTCCATCACTGGCATATGGACTGT
GTATGCCATGGCTGTGATGAACCACCATGTATGCCCTGTGGAGAACTGGTCTACAACGA
GTCCTGCCCTCCTGACCCTGCTGAGCAAGGGGGTCCCAAGACCTGCTGCACCCTGGACGA
TGTCCCCCTCATCAGCAAGTGTGGCTCCTATCCCCAGAAAGCTGCCTCTTCAGCCTCAT
TGGCAACATGGGTGCTTTTATGGTGGCCCTGATCTGCCTCTGCGCTACGGGACGCTCCT
GGAGCAGAGTCGGCACTCTTGGTTAACACCACGGCACTCATCACAGGCTGCACCAACGC
TGCGGGCCTCTTGGTGGTTGGCAACTTTCAGGTGGATCATGCCAGGTCTCTGCACTACGT
TGGAGCTGGCGTGGCCTTCCCTGCGGGGCTGCTCTTTGTTTGCCTGCACTGTGCTCTCTC
CTACCAAGGGGCCACGCCCGCTGGACCTGGCTGTGGCCTATCTGCGAAGTGTGCTGGC
TGTCATCGCCTTTACACCCTGGTCTCAGTGGAGTCTTCTTTGTGCATGAGAGTTCTCAG
CTGCACATGGGGCAGCCCTGTGTGAGTGGGTGTGTGTATCGATATCCTCANTTTCTATG
CCACCCTCAGCTACAATTTGGGGCAGGCTCCTCAGAACTGGTGTGGCTGAACCTAA
CCTG

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_153342 unedited
GGTCCTACTATGNACCGCGCACGCTTTCTAGACTCGAGTTTTTTTTTTTTTTTTTTTTT
TTGCAAAATAGAATTCTTTAATATAAAAAAATACTAAATACCCACGTGGTTCTGCTG
TGTTATTTGCCCTAAAGGAAGTGAGGGGCAGAGTGAAGAAATCCAGTGCAGCTCAGTGGG
CCCAGAAATGGCCTTTCCGTAGGCTAAGGCGTGCCCACTCCACCTCCACCAGACTTCTA
TCCCCTCTGCTGTTCCAGCCCCAATTCTGTCAGCAGGAAACCCAGTGGTCTGGCTTT
GGCACTGGGAGTAGAAAGCACCTGAAGGGCTGGCTGGGTGAGTGAGGACAGGTGACCTTT
AAAAACAAACGACACCGTGGGGTGGGGAAGCAGGTGATGCAGCTGTGGCAGCTGGCAGG
GCCCACTCTCCATGGCACAGGTGGCATGGGATGGCACTTCTCCAGAAGTGAGGAAGC
CCAGATCCCAACAGAAATACTTTCTCAAAATTGTTTTTGGTACGAAATAAATGGAAAGAAG
ATATGGGGTGGGTGCTGTNGGANGCCNGGCCATCCACCCTCCCCAGACCTTAGATCATA
GCGATGCTCTCGGGGACANTTGAAGTGGGTGGAGGTGCTGCTGCTCCCGGAGACTTGC
AAGCCCCGCCAGGGTAGGCTGCAGTGACCCCCCANTGTGTGAGAGACTGCCCAA
ACTCGTAGCTGAAGGTGCCCTAGAAAATGAGGATATCGGTGACACACCCCACTCACACA
GGGCTGCCCATGTTGTCAGCTGAGAACTCTCATGGGCAAGGAGACTCCCTGAGGGACA
AGGGGGTAAAGCCGATGGACGCCCGCCCTTTGCCAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_153342

Insert Size:

1650 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).

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_153342.1, NP_699173.1</u>
RefSeq Size:	1486 bp
RefSeq ORF:	657 bp
Locus ID:	129303
Cytogenetics:	2p11.2
Protein Families:	Transmembrane
Gene Summary:	Regulates localization of phosphatidylinositol 4-kinase (PI4K) to the plasma membrane, possibly by reducing the association of TTC7 (TTC7A or TTC7B) with the PI4K complex (PubMed:25608530). Acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis (PubMed:25608530). May also play a role in fasting-induced catabolism (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate internal exon compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.