

Product datasheet for **SC321831**

TMEM150A (NM_001031738) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMEM150A
Synonyms:	TM6PI; TMEM150; TTN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001031738.1
 GCGCCACGAGGGGCGGAGCAGGGTGC GCGCGCGCGGGGCGCTCCGGGAGGCCAGGA
 CAGCTGATGGTTGTGGCAGAAACATCTCAAGGTAGCTGGTCCGCCCCCACTTCCCCATCT
 ACCTCTTGCTCTCCCCAACACCACCACCCTGGCTCCCTCCCTCATGACCGCTG
 GATCCTCTGCCTGTGACGCTGTGAGCTTCTCCATCACTGGCATATGGACTGTGTATGC
 CATGGCTGTGATGAACCACCATGTATGCCCTGTGGAGAACTGGTCTACAACGAGTCTG
 CCTCTGTGACCTGCTGAGCAAGGGGTCCCAAGACCTGCTGCACCTGGACGATGTCCC
 CCTCATCAGCAAGTGTGGCTCTATCCCCAGAAAGCTGCCTCTTCAGCCTATTGGCAA
 CATGGGTGCTTTTATGGTGGCCCTGATCTGCCTCCTGCGCTACGGGAGCTCCTGGAGCA
 GAGTCGGCACTCTTGGTTAAACACCACGGCACTCATCAGGCTGCACCAACGCTGCGGG
 CCTCTTGGTGGTTGGCACTTTCAAGTGGATCATGCCAGGTCTCTGCACTACGTTGGAGC
 TGGCGTGGCTTCCCTGCGGGGCTGCTCTTTGTTGCTGCACTGTGCTCTCTCTACCA
 AGGGGCCACCGCCCGCTGGACCTGGCTGTGGCCTATCTGCGAAGTGTGCTGGCTGTCAT
 CGCCTTTATCACCTGGTCTCAGTGGAGTCTTCTTTGTCCATGAGAGTTCTCAGCTGCA
 ACATGGGGCAGCCCTGTGTGAGTGGGTGTGTGTCATCGATATCCTCATTTTCTATGGCAC
 CTTCAGCTACGAGTTTGGGGCAGTCTCCTCAGACACACTGGTGGCTGCACTGCAGCCTAC
 CCCTGGCGGGGCTGCAAGTCTCCGGGAGCAGCAGCACCTCCACCACCTCAACTGTGC
 CCCCAGAGCATCGCTATGATCTAAGGTCTGGGGAGGGTGGCTGGCCCGGCTCCACAGC
 ACCCCACCCCATATCTTCTTTCCATTTATTTCTGACCAAAAACAATTTTGAGAAAGTATT
 CTGTTGGGATCTGGGCTTCTCACTTCTGGAGAAGTGGCCATCCCATGCCACCTGTGCC
 ATGGAGGAGTGGGCCCTGCCAGCTGCCACAGCTGCATGACCTGCTTCCCCACCCACGGT
 GTCGTTTTGTTTTAAAGGTCACCTGTCTCACTACCCAGCCAGCCCTTCAGGTGCCTT
 TACTCCCAGTGCCAAAGCCAGACCACTGGGGTTTCTGCTGCAGGAATTGGGGGCTGGG
 AACAGCAGAGGGGATAGAAGTCTGGTGGAGGTGGAGTGGGCACGCCTTAGCCTACGGAAA
 GGCCCATTTCTGGGCCCACTGAGCTGCACTGGGATTCTTCACTCTGCCCTCACTTCCTT
 TAGGGCAAAATAACACAGCAGAACACGTTGGTATTTTAGTACTTTTTTTATATTTAAAG
 AATTCTAATTTGAAAAAAAAAAAAAAAAA



Restriction Sites:	Please inquire
ACCN:	NM_001031738
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_001031738.1, NP_001026908.1</u>
RefSeq Size:	1527 bp
RefSeq ORF:	816 bp
Locus ID:	129303
UniProt ID:	<u>Q86TG1</u>
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 (1) encodes the longer isoform (1).