

Product datasheet for **SC326702**

TMEM41B (NM_001165030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM41B (NM_001165030) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM41B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001165030, the custom clone sequence may differ by one or more nucleotides ATGGCGAAAGGCAGAGTCGCCAACGATCGCAGTTGGGCGCTCACCACACGACCCCGTG GGGGACGGGGCAGCGGGGACGCGGGTCTCGCGCGCCTGGCAGCAGAGACCACCAGAAG GAAAAATCCTGGGTAGAAGCTGGATCAGCAAGAATGTCACCTTATATTGGTGTCCATT TTCTTATCTGCAGCTTTTGTATGTTTTTGGTATATAAAAATTTTCTCAGCTTAGTGAA GAAGAAAGAGTGAATATGAAGTTCCCAGAGATATGGATGATGCCAAGGCTCTAGGAAAA GTTTTATCCAATACAAGGACACCTTTTATGTTCAAGTACTTGTAGCTTATTTTGCTACA TATATTTGTATCCTTTTAAAC
Restriction Sites:	Please inquire
ACCN:	NM_001165030
Insert Size:	862 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).



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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_001165030.1](#), [NP_001158502.1](#)

RefSeq Size: 862 bp

RefSeq ORF: 384 bp

Locus ID: 440026

UniProt ID: [Q5BJD5](#)

Cytogenetics: 11p15.4

Protein Families: Transmembrane

Gene Summary: Required for normal motor neuron development (By similarity). Required for autophagosome formation (PubMed:30093494).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 3' UTR and lacks a large portion of the 3' coding region, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus compared to isoform 1.