

Product datasheet for **SC311205**

TMEM70 (NM_001040613) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM70 (NM_001040613) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM70
Synonyms:	MC5DN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001040613 edited ATGCTGTTTCTGGCGTTGGGCAGCCCGTGGGCGGTCGAACTGCCTCTCTGCGGAAGGAGG ACTGCATTGTGTGCGGCCGCGCTCCGAGTCCCCGGCCCTGTCTCCCGGCGTCC TCCAGCAGCGGGCCTTCGGGGCCGGTAGCCGGCTGGAGTACGGGGCCTTCGGGAGCCGCG CGCCTTCTCCGGCGTCCGGGTCGAGCGCAGATCCCTGTTTATTGGGAAGGATATGTTCGA TTCTTAAATACGCCATCTGACAAATCAGAAGATGGAAGGCTAATTATACTGGCAATATG GCCCGAGCAGTGTGGTAAGTAA
Restriction Sites:	NotI-NotI
ACCN:	NM_001040613
Insert Size:	1200 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:	It is not a variant.
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_001040613.1](#), [NP_001035703.1](#)

RefSeq Size: 2044 bp

RefSeq ORF: 324 bp

Locus ID: 54968

UniProt ID: [Q9BUB7](#)

Cytogenetics: 8q21.11

Protein Families: Transmembrane

Gene Summary: This gene likely encodes a mitochondrial membrane protein. The encoded protein may play a role in biogenesis of mitochondrial ATP synthase. Mutations in this gene have been associated with neonatal mitochondrial encephalocardiomyopathy due to ATP synthase deficiency. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform b, which has a shorter and distinct C-terminus, compared to isoform a.