

Product datasheet for **SC316651**

TMEM170B (NM_001100829) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM170B (NM_001100829) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM170B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316651 representing NM_001100829. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGAAGGCGGAGGGGGGCGACCACTCCATGATCAACCTGTCGGTGCAGCAGGTCCTGAGCCTCTGGGCC
 CACGGGACGGTGCTGAGGAACCTCACGGAGATGTGGTACTGGATCTTCTCTGGGCTCTCTTCTCTTCT
 CTGTTTGTCCATGGTGTGCAGGAGTGTGATGTTTGTGATGCTGCAGAGGCATAGGCAGGGAAGAGTC
 ATCTCTGTCATTGCAGTCAGCATTGGATTTCTGGCTTCTGTAAGTGGAGCGATGATTACCACTGCAGCA
 GTAGCGGGCATTACAGAGTAGCTGGGAAGAACATGGCCCTTTGGAAGCGCTGGTATGGGGCGTTGGA
 CAGACTGTACTGACATTAATCATCTCCTTTTCAAGGATCCTCGCTACACTT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001100829
Insert Size:	399 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.


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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:	<ol style="list-style-type: none"> 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:	<u>NM_001100829.2</u>
RefSeq Size:	8413 bp
RefSeq ORF:	399 bp
Locus ID:	100113407
UniProt ID:	<u>Q5T4T1</u>
Cytogenetics:	6p24.2
MW:	14.4 kDa
Gene Summary:	Negatively regulates the canonical Wnt signaling in breast cancer cells. Exerts an inhibitory effect on breast cancer growth by inhibiting CTNNB1 stabilization and nucleus translocation, which reduces the activity of Wnt targets (PubMed:29367600).[UniProtKB/Swiss-Prot Function]