

Product datasheet for **SC304752**

TMEM16B (ANO2) (NM_020373) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM16B (ANO2) (NM_020373) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM16B
Synonyms:	C12orf3; TMEM16B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020373 edited
GGCACGAGATGCCTGAAGATATACCCCTGCTCCCTGGCTCCCCACGCCGGCTGAGCCCTC
AGGCAGGGTCCAGAGGGGGCCAGGGCCCAACATGGACAGCAGTGTCTCAAGATGCCAG
GTCCCGGGCCCCAGGTCTGCAGGGCGGTTCCAACAGAGATCCTGGCCAGCCCTGCGGTG
GAGAGAGACCCCGCAGCAGCTCTGTCTCATCAACAACTATCTGGATGCCAATGAGCCTGTGT
CCTTGGAGGCCCGTCTTAGCCGCATGCACTTCCATGACAGTCAGAGGAAGGTCGACTACG
TACTTGCCTACCACTACCGAAACGCGGGGCGCACCTGGCCCAAGGCTTCCCTGGCCACT
CGCTGGCTATCGTCTCCAATGGGAGACAGGCAAGGAGCCTCATGCTGGGGGCCAGGTG
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TTGAGCACAATCTGATGGAGGCTGGACTGGAGCTTGAGAAGGACTTGGAGAATAAAAGCC
AGGGATCCATCTTTGTCGGATACACGCCCGTGGCAGGTGCTGGCCAGAGAGGCAGAAT
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CAAAGAAGTTCAGCGCGGCTCTGCAAGAAGCTGAGCTCGCACCTGCAGCCCCGAGTTCAG
AACACAGCAACAACAAGATGAAAAACCTCTCTACCCATTCTCCAGGGAGAAAGATGTACC
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CCTGGAAGGATCGTTTCCAGGTTACCTGATGAACTTTGCCTCCATCTTATTCATGATTG
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CACGTCAAAAAACGTTTGGAGCTAAATGCAGATAACCATCATTTTATGAAAAGTTCAGAT
TAAAAATAAAAAATAAATGGACACATTCTTTATAAAGATGCAAAAAAAAAAAAAAAAAA
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Restriction Sites:

Please inquire

ACCN:

NM_020373

Insert Size:

3700 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:

The ORF of this clone has been fully sequenced and found to contain one SNP and two deletions of 3bp and 12bp.

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.

RefSeq: [NM_020373.1](#), [NP_065106.1](#)

RefSeq Size: 3717 bp

RefSeq ORF: 3000 bp

Locus ID: 57101

Cytogenetics: 12p13.31

Protein Families: Transmembrane

Gene Summary: ANO2 belongs to a family of calcium-activated chloride channels (CaCCs) (reviewed by Hartzell et al., 2009 [PubMed 19015192]).[supplied by OMIM, Jan 2011]