

Product datasheet for **SC337764**

TMEM16B (ANO2) (NM_001278596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM16B (ANO2) (NM_001278596) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANO2
Synonyms:	C12orf3; TMEM16B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001278596, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGACTCCCGGGCCGCGGATATACCCTGCTCCCTGGCTCCCCACGCCGGCTGAGCCCTCAGGCAG
GGTCCAGAGGGGGCCAGGGCCCCAACATGGACAGCAGTGTCTCAAGATGCCAGGTCCCGGGCCCCAGG
TCTGCAGGGCGGTTCCAACAGAGATCCTGGCCAGCCCTGCGGTGGAGAGACCCCGCAGCAGCTGTGC
ATCAACAACATATCTGGATGCCAATGAGCCTGTGTCTTGGAGGCCGTCTTAGCCGCATGCACCTCCATG
ACAGTCAGAGGAAGTTCGACTATGTACTTGCCTACCACTACCGGAAACGCGGGGTGCACCTGGCCCAAGG
CTTCCCTGGCCACTCGCTGGCTATCGTCTCCAATGGGAGACAGGCAAGGAGCCTCATGCTGGGGGCCA
GGTGACATTGAGCTGGGACCGCTCGATGCCCTGGAGGAGGAGGAAGGAGCAGCGGGAGGAATTTGAGC
ACAATCTGATGGAGGCTGGACTGGAGCTTGAGAAGGACTTGAGAATAAAAGCCAGGGATCCATCTTTGT
CCGGATACACGCCCGTGGCAGGTGCTGGCCAGAGAGGCAGAATCTTGAAGATCAAAGTTCCTACCAAG
AAAGAGATGTACGAGATCAAAGCAGGAGGCAGCATTGCAAGAAGTTCAGCGCGGCTCTGCAGAAGCTGA
GCTCGCACCTGCAGCCCCGAGTTCAGAACACAGCAACAACAAGATGAAAAACCTCTCTACCCATTCTC
CAGGGAGAAGATGTACCTGTACAACATCCAGGAAAAGGACACCTCTTTGATAATGCCACCCGCAGCCGC
ATTGTGCACGAGATCCTGAAGCGCACAGCCTGCTCCCGAGCCAACAACAGATGGGTATTAATCTCTGA
TCGCAACAATATCTATGAGGCTGCCTACCCTCTTCATGACGGTGAATACGATAGTCCAGAGGACGATAT
GAATGACAGGAAGCTGCTATATCAAGAATGGGCGCGCTATGGAGTGTCTATAAGTTC AACCTATTGAC
CTCATCAGAAAGTATTTGGAGAAAAAATTGGACTGTATTTGCCTGGCTGGGATTATATACATCATTCC
TCATCCCATCTTCTGTAATTGGAGTGATTGTGTTCTTTATGGATGTGCAACAATTGAAGAAGATATTCC
CAGCAGAGAGATGTGTGACCAGCAGAATGCCTTACCATGTGTCCCTGTGTGACAAGTCTGTGATTAC
TGGAACCTCAGCTCAGCCTGTGGACCGCGCAGGCCAGCCACTGTTTGACAACCTGCCACCGCTTCT
TCTCTATCTTCTGCTGTGGCTACCATGTTCTGGAAAACCTGGAAGAGGCTACAGATGCGACTGGG
CTACTTTTGGACCTGACTGGCATAGAAGGAAGAAGAACGTGCCAGGAACATTCCAGGCCTGAGTAT
GAAACCAAGTTCGAGAGAAAATGCTAAAGGAGAGCAACCAGTCTGCTGTCCAGAAAATTGAAAACAAACA
CGACGGAGTGTGGCGATGAGGATGATGAAGATAAACTGACCTGGAAGGATCGTTTCCAGGTTACCTGAT
GAACTTTGCCTCCATCTTATTATGATTGCCCTGACATTCTCAATCGTCTTTGGGGTGATAGTGTATCGA
ATAACAACCTGCAGCCGCTCTGTCTCTCAATAAGGCTACACGCTCCAATGTCGGGGTGACAGTGACAGCAA
CAGCAGTCATCATCAACCTCGTGGTCATCCTCATCTGGACGAGATCTACGGCGCTGTGGCCAAGTGGCT
CACCAAAATTGAGTTCGAAAACAGAACAGACTTTTGAAGAGCGCCTGATCCTCAAAGCTTTCTTGCTC
AAGTTTGTCAATGCCTACTCCCCATCTTCTATGTGGCCTTTTTCAAAGGGAGGTTTGTGGGCAGGCCTG
GAAGTACGTCTATGTATTTCGATGGTTACCGCATGGAAGAGTGTCTCCAGGGGGCTGTCTCATGGAGCT
CTGCATTACGCTCAGCATCATATGTTGGGGAAGCAGTTGATCCAGAACAACATCTTTGAGATTGGAGTC
CCGAAGCTAAAGAAACTATTTGAAAGCTGAAAGATGAGACCGAAGCTGGAGAACTGACTCTGCCATT
CGAAACATCCAGAGCAGTGGGACCTAGACTACAGCTTGAACCATACACAGGACTGACTCCGGAGTACAT
GGAAATGATCATCCAGTTTGGTTTTGTACCCTCTTGTGGCCTCCTTTCCCTGGCACCTGTGTTTGC
CTCCTCAACAACGTCATTGAAGTGGGCTCGATGCAAAGAAGTTTGTACAGAGCTGAGACGGCCGGATG
CTGTAAGAACCAAGATATCGGAATCTGGTTTGACATTCTCTGGAATTGGCAAGTCTCTGTTATCAG
CAACGCTTTTGTATTGGATCACCTCCGACTTTATCCCCGCCTGGTGTACCAGTACTCTTACAGTAC
AATGGGACTCTGCACGGCTTTGTCAACCACCCCTCTCCTTTTTCAACGTGAGCCAGCTGAAGGAGGGGA
CGCAGCCAGAAAACCTCACAGTTTGACCAGGAGGTTAGTCTGCAGGTTTAAAGATTACCGAGAGCCGCC
ATGGGCCCCGAACCTTATGAGTTTTGAAACAGTACTGGTTTATTCTGTCCGCCGTCTGGCTTTTGTG
ATAATCTTCCAGAACCTCGTATGTTTCTGAGCGTCTCGTGGACTGGATGATTCCAGACATCCCCACGG
ACATCAGCGACCAGATCAAGAAAGAGAAGACTTATTAGTGGATTTCTTCTGAAAGAGGAGCATGAGAA
GCTCAAGCTGATGGATGAGCCGGCTCTGAGGAGCCAGGAGGTGGGGATCGAAGCAGGAGCCGGGCAGCC
AGCTCAGCACCTCAGGCCAAAGCCAGCTGGGCAGCATGATGTCGTCAGGCTCTCAGCACCAATGTGT
GA
    
```

Restriction Sites: SgfI-MluI

ACCN:	NM_001278596
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).
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_001278596.1</u> , <u>NP_001265525.1</u>
RefSeq Size:	3711 bp
RefSeq ORF:	3012 bp
Locus ID:	57101
UniProt ID:	<u>Q9NQ90</u>
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] Transcript Variant: This variant (1) encodes the longer isoform (1).