

Product datasheet for **SC215210**

TMEM16A (ANO1) (NM_018043) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TMEM16A (ANO1) (NM_018043) Human 3' UTR Clone
Symbol:	ANO1
Synonyms:	DOG1; ORAOV2; TAOS2; TMEM16A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018043
Insert Size:	1556 bp



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Insert Sequence: >SC215210 3'UTR clone of NM_018043
The sequence shown below is from the reference sequence of NM_018043. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCCATGCCTACCACGGGGCGTCTGTAGCTATGCCAGCGGGGCTGGGCAGGCCAGCCGGGCATCCTG
ACCGATGGGCACCTCTCCAGGGCAGGCGCTTCCCGCTCCACCAGGGCCCGGTGGTCTGGGTTT
TCTGCAACATGGAGGACCATTCTGATAGGACATTTTCTTTCTTTCTGTTTTCTTCCCTTGT
TTTTGCACAAAGCCATTATGCAGGGAATATTTTTAATCTGTAGTATTCAAGATGAATCAAAATGATGG
CTGGAATACGGCAATAAGGTAGCAAAGGCAGGTGCTTTGCAGAAAAGATGCTTGGAACTTGAGTCTC
CCTAGAGGTGAAAAGTGAGCAGAGGCCGTAGAAACCCTCTGAATCCTCCTAATTCCTTAAGATAG
ATGCAAAATGGTAAGCCGAGGCATCGCGCAAAAGCTGGTGGGATGCTTCAGGGAAAATGGAAAACCCAC
GCAAGAATAATGATTGATTCCGGTTCCAAAAGGTGCACCTACCTGTTTCAGAAAAGTTAGACTTTCCA
TCGCCTTTTCTTCCATCAGTTGAGTGGCTGAGAGAGAAGTGCCTCATCCCTGAGCCACACAGGGGGCG
TGGGAGCATCCCAGTTATCCCTGGAAAAGCTAGAAGGGGACAGAGGTGTCCCTGATTAAGCAGGAAACAG
CACCTTGGCGTCCCCAGCAGGCTCCCCACTGTACCCACACACCTGCCCCATCACACCAAGCCGACC
TCAGAGTTGTTTCTTCTTATGGGACAAAACCGTTGACCAGAAAATGGGCAGAGAGAGATGACCTC
GGAAGCATTTCACAGATGGTGTGAGGGTTTCAAGAAGTCTTAGGGCTCCAGGGGTCCCCTGGAAGCT
TTAGAATATTTATGGGTTTTTTTTCAAATATCAATTATATGGTAGATTGAGGATTTTTTTCTGTAGCT
CAAAGGTGGAGGGAGTTTATTAGTTAACCAAATATCGTTGAGAGGAATTTAAAATACTGTACTACCAA
AGATTTTTTAAATAAAGGCTTATATTTTGGTAACTTCTCTATATTTTTACTCACAGGAATGTCAT
GTTGGACAATTATTTTAAAAGTGTATAAAACCAAGTCTCATAAATGATATGAGTGATCTAAATTTGCAG
CAATGATACTAAACAACCTCTGAAATTTCTCAAGCACCAAGAGAAACATCATTTTAGCAAAAGGCCAGG
AGGAAAAATAGAAATAAATTTGTCTTGAAGATCTCATTGATGTGATGTTACATTCCTTTAATCTGCCA
ACTGTGGTCAAAGTTCATAGGTGTCGTACATTTCCATTATTTGCTAAAATCATGCAATCTGATGCTTCT
CTTTTCTTGTACAGTAAGTAGTTTGAAGTGGGTTTTGTATATAAAATACTGTATAAAAATTAGGCAA
TTACCAAAAATCCTTTTATGAAACCATTTTTTAAAAAGTGAATGTACACAAATCCACAGAGGACTGT
GGCTGGACATTCTAAATAAATTTGAATATACGACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_018043.7](#)

Summary: Calcium-activated chloride channel (CaCC) which plays a role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development. [UniProtKB/Swiss-Prot Function]

Locus ID: 55107

MW: 59.9