

Product datasheet for **SC301627**

ANO9 (NM_001012302) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANO9 (NM_001012302) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANO9
Synonyms:	PIG5; TMEM16J; TP53I5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001012302 edited
 GCAGCCACTCTCCTGGCCGCAAACCCAGCTGGAACCTCCGGCCACAGCCAGCATGCAGG
 GCGAAGAGAGCCTCCGGATCCTGGTGGAGCCGAAGGGGACAGCTTCCCCTGATGGAGA
 TCAGCACTGTGAGACCGAGGCCCTCCGAGCAGTGGGACTATGTCCTCGTGGCCCAACGTC
 ACACCCAGAGAGACCCCGCAGCGCGGCAGCAACAGTTCTGGAGGAGCTCAGGAGAA
 AGGGCTTCCACATTAAGGTGATCCGGGACCAGAAACAGGTCTTCTTTGGGATCCGTGCTG
 ACAACAGTGTCTTTGGCCTGTACCGCACTCTCTCTGGAGCCTGAGGGGCTGCCCCCC
 ACGCCGAGCTGGCCGCGCCGACCACCATCCCGGTACCACGAGTCTCAGAATCCGAATCG
 TGAACCTCGTTGTCATGAACAACAAGACCTCGGCTGGTGGAGACCTTCGAGGATCTGATGA
 AGGACGGGGTCTTTGAGGCCAGGTTCCCCTGCACAAGGGGGAGGGACGCCTGAAGAAGA
 CGTGGGCGCGGTGGAGACACATGTTCCGGGAGCAGCCAGTTGATGAAATCAGGAACACT
 TTGGGGAAAAGGTGGCCCTGTACTTCGTCTGGCTGGGCTGGTACACCTACATGCTGGTGC
 CGGCCGCCCTGACGGCCTTTAGTCTTTCTGAGCGGATTCTCGTGTGTTGAGGCCAGCC
 AGATCAGCAAGGAGATCTGTGAGGCCACGACATCCTCATGTGTCCCCTCGGCGACCACA
 GCCGACAGTACCAGCGGCTCTCGAAACCTGCACCTTTTGCCAAGCTCACCCACCTCTTTG
 ACAATGATGGCAGCGTGGTGTTCGCCATCTTCATGGCTCTCTGGCCACGGTGTTCCTGG
 AGATCTGGAAGCGGCAGCGCCCGCGTGGTCTGCACTGGGACCTGTACGTGTGGGACG
 AGGAACAGGAGGAAAATGGCACTTCAGCTCATTAACTGCCCGACTACAAGCTCCGGCCAT
 ACCAGCACTCCTACCTACGCAGCACCGTCATCCTCGTCTGACCTGCTCATGATCTGCC
 TCATGATCGGCATGGCCACGTCCTGGTGGTCTACCGCGTCTGGCCTCCGCGCTTTCA
 GCAGCTCGGCCGTGCCCTTCTGGAGGAGCAGGTGACCACGGCCGTGGTGGTACCCGGG
 CTCTGGTGCACTATGTGACCATCGTCATCATGACCAAGATCAACAGGCGCGTGGCCCTGA
 AGCTTTGTGACTTCGAGATGCCAGGACCTTCTCGGAGCAGAGAGCAGGTTCAACATCC
 GCTTCTTACACTGCAGTTCTTACCCATTTCTCGTCTCTCATCTACATCGCCTTCATCC
 TGGGCAGGATCAACGGCCACCCCGGAAGTCCACGCGCCTGGCGGGCTTGTGGAAGCTGG
 AAGAGTGCACGCGCAGCGGCTGCATGATGGACCTTTCGTGCAGATGGCCATCATCATGG
 GCCTGAAGCAGACGCTCAGCAACTGCGTCGAGTACCTGGTCCCCTGGGTGACCCACAAGT
 GCCGCTCTCTGCGGGCCTCCGAGTCCGGGCACCTGCCCGGGACCCCGAGCTCAGGGACT
 GCGGGCGCAACTACCTTCTGAACCCGGTCAACACCTTCAGCCTGTTGACGAGTTTATGG
 AGATGATGATCCAGTACGGCTTACCACCATCTTCGTGGCCGCTTCCCCTGGCCCGC
 TGCTCGCGCTCTCAGCAACCTCGTGGAGATCCGCTGGACGCCATCAAGATGGTCTGGT
 TGCAGCGCGCCTGGTGCAGCGCAAGGCCAAGGACATCGGGACCTGGCTGCAGGTGCTGG
 AGACCATCGGTGTGCTGGCGGTATTGCCAATGGGATGGTCAATGCCCTCACATCTGAGT
 TCATCCCCGAGTGGTCTACAAGTACCGCTATAGCCCATGCCTGAAAGAAGGCAACTCTA
 CTGTGACTGCCTCAAGGGCTACGTCAACCACAGCCTGTCCGCTTCCACACCAAGGACT
 TCCAGGACCCTGATGGGATTGAGGGCTCAGAAAACGTGACTCTGTGCAGATACAGGGACT
 ACCGCAATCCCCCGATTACAACCTTCCGAGCAGTCTGGTTCTCTCTGGCCATCCGCC
 TGGCCTTCGTATCCTCTTTGAGCACGTGGCCTTGTGCATCAAGCTCATCGCCGCTGGT
 TCGTGCCCGACATCCCTCAGTCGTTGAAGAACAAGGTTCTGGAGGTGAAGTACCAGAGGC
 TCGGTGAGAAGATGTGGCATGGAAGGCAGAGGCTGGGTGGGGTGGGGCAGGCTCTCGGC
 CCCAATGCCTGCCATCCACCCAGCATCCATCTTCAAGTCCAGGAGCACAGACGTGT
 AGGGCCAGAGCCGTCAGAGGCCACCAGGAGCTGAGACAGTGCCACCACCAGCACCTCC
 CACAAGCCACCCTGTGCGTGTGAGGGGTGCTGTGAGAAGGCTGTGCC

Restriction Sites: Please inquire
ACCN: NM_001012302
Insert Size: 2500 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 2 SNPs compared with NM_001012302.1.
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_001012302.1, NP_001012302.1</u>
RefSeq Size:	2831 bp
RefSeq ORF:	2349 bp
Locus ID:	338440
UniProt ID:	<u>A1A5B4</u>
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a member of the TMEM16 (anoctamin) family of proteins, some of which form integral membrane calcium-activated chloride channels. The function of the encoded protein has yet to be elucidated, although it may have channel-forming abilities and also may have phospholipid scramblase activity. This gene has been observed to be upregulated in stage II and III colorectal cancers. [provided by RefSeq, Dec 2016] Transcript Variant: This variant (1) encodes the longer isoform (1).