

## Product datasheet for **SC104146**

### **ANO9 (AK026923) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANO9 (AK026923) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANO9
Synonyms:	PIG5; TMEM16J; TP53I5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK026923, the custom clone sequence may differ by one or more nucleotides

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AAACCCAGCTGGAACCTCCGGCCACAGCCAGCATGCAGGGCGAAGAGAGCCTCCGGATCCTGGTGGAGCC
CGAAGGGGACAGCTTCCCGCTGATGGAGATCAGCACCTGTGAGACCGAGGCTCCGAGCAGTGGACTAT
GTCCTCGTGGCCCAACGTCACACCCAGAGAGACCCCGCAGGCGCGCAGCAACAGTTCCTGGAGGAGC
TCAGGAGAAAGGGCTTCCACATTAAGGTGATCCGGGACCAGAAACAGGTCTTCTTTGGGATCCGTGCTGA
CAACAGTGTCTTTGGCCTGTACCGCACTCTCTCTGGAGCCTGAGGGGCTGCCCCACGCGGAGCTG
GCCGCGCCGACCACCATCCCGGTACCACGAGTCTCAGAATCCGAATCGTGAACCTCGTTGTCATGAACA
ACAAGACCTCGGCTGGTGGAGACCTTCGAGGATCTGATGAAGGACGGGTCTTTGAGGCCAGGTTCCCCCT
GCACAAGGGGAGGGACGCTGAAGAAGACGTGGGCGCGTGGAGACACATGTTCCGGGAGCAGCCAGTT
GATGAAATCAGGAACTACTTTGGGAAAAGGTGGCCCTGACTTCGTCTGGCTGGCTGGTACACCTACA
TGCTGGTGCCGGCCGCTGACGGGCTCTTAGTCTTTCTGAGCGGATTCTCGTGTGGAGCCAGCCA
GATCAGCAAGGAGATCTGTGAGGCCACGACATCCTCATGTGCCCTCGGCGACCACAGCCGAGGTAC
CAGCGGCTCTCGGAAACCTGCACCTTTTGCAAGCTCACCCACCTTTTGACAATGATGGCAGGTTGGTGT
TCGCCATCTTCATGGCTCTCTGGCCACGGTGTCTCTGGAGATCTGGAAGCGGCAGCGCGCCCGCTGGT
CCTGCACTGGGACCTGTACGTGTGGGACGAGGAACAGGAGGAAATGGCACTTCAGCTCATTAAGTCCCC
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TGATCTGCCTCATGATCGGCATGGCCACGTCTGGTGGTCTACCGCGTCTGGCCTCCGCGCTCTTCAG
CAGCTCGGCCGTGCCCTTCTGGAGGAGCAGGTGACCACGGCCGTGGTGGTGACCGGGCTCTGGTGCAC
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CCAGACCTTCTCGGAGCGAGAGCAGGTTACCATCCGCTTCTCACACTGCAGTTCTCACCCATT
CTCGTCTCTCATCTACATCGCCTTCTACCTGGGACAGGATCAACGGCCACCCCGGGAAGTCCACGCGCTG
GCGGGCTGTGGAAGCTGGAAGAGTGCCACGCCAGCGGCTGCATGATGGACCTTCTCGTGCAGATGGCCA
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TACCTTGAACCCGGTCAACACCTTCAGCCTGTTGACGAGTTCATGGAGATGATGATCCAGTACGGCT
TCACCACCATCTCGTGGCCGCTTCCCGTGGCGCGCTGCTCGCGCTTTCAGCAACCTCGTGGAGAT
CCGCTGGACGCCATCAAGATGGTCTGGTTCAGCGCGCCTGGTGGCGCAAGGCAAGGACATCGGG
ACCTGGTGCAGGTGCTGGAGACCATCGTGTGCTGGCGGTCATTGCCAATGGGATGGTCAATGCCTTCA
CATCTGAGTTCATCCCCGAGTGGTCTACAAGTACCGCTATAGCCCATGCCTGAAAGAAGGCAACTTAC
TGTGCACTGCCTCAAGGGCTACGTCAACCACAGCCTGTCCGTCTTCCACCAAGGACTTCCAGGACCT
GATGGGATTGAGGGCTCAGAAAACGTGACTCTGTGCGATACAGGGACTACCGCAATCCCCCGATTACA
ACTTCTCCGAGCAGTTCGGTTCCTCTGGCCATCCGCTGGCCTTCGTATCCTCTTTGAGCAGTGGC
CTTGTGCATCAAGCTCATCGCCGCTGGTTCGTGCCGACATCCCTCAGTCGGTGAAGAACAAGTTCG
GAGGTGAAGTACCAGAGGCTGCGTGAGAAGATGTGGCATGGAAGGCAGAGGCTGGTGGGGTGGGGCAG
GCTCTCGGCCCAATGCCTGCCATCCCACCCAGCATCCATCTTCAGTGCCAGGAGCAGACAGTGTGA
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CGCTGTGCGTGTGAGGGGTGCTGTGAGAAGGCTGTGCCATGTGGGGCCGAGGAATCCCTGTATGTT
CAGGGCTGTGAGCTGCCACCCTATTCGCTGCTCCGTCTTTGTGGGGCTCTCAGGCTTGGCACAGCCC
TGACTTGAACCTGGGTGACCCTGGGCACCCACAGAAGTGGGAGTGGGGCTCCTCAGGCAGCCACAAGG
CAGGAAAAGTGGCGCAAATTTCTGGGCTCCCTCTGACTTCTGGGCGCCAGATCCTGCCGTGCCCCAT
CCTGGCTGTTGGGGGTGCTGAGCCACCTCGTGGCCTGTTCCCTCAGCCAACCCGTTTCTGCAGTA
AAATTAAGCCTGTCAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AK026923 unedited</p> <pre> AGTATTTTGTAAACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGAGCACCCG CCGCTGGCAGCCACTCTCCTGGGCGCCAAACCCAGCTGGAACCTCCGCCACAGCCAGCA TGCAGGGCGAAGAGAGCCTCCGGATCCTGGTGGAGCCGAAGGGGACAGCTTCCCGCTGA TGGAGATCAGCACCTGTGAGACCGAGGCCTCCGAGCAGTGGGACTATGTCCTCGTGGCCC AACGTACACCCAGAGAGACCCCGCAGGCGCGCAGCAACAGTTCCTGGAGGAGCTCA GGAGAAAGGGCTTCCACATTAAGGTGATCCGGGACCAGAAACAGGTCTTCTTTGGGATCC GTGCTGACAACAGTGTCTTTGGCCTGTACCGCACTCTCCTCCTGGAGCCTGAGGGGCCTG CCCCCACGCGGAGCTGGCCGCGCCGACCACCATCCCGGTCAACCACGAGAATCCGAATCG TGAACCTCGTTGTGATGAACAACAAGACCTCGGCTGGTGGAGACCTTCGAGGATCTGATGA AGGACGGGGTCTTTGAGGCCAGTTCCCCCTGCACAAGGGGGAGGGACGCCTGAAGAAGA CGTGGGCGCGGTGGAGACACATGTTCCGGGAGCAGCCAGTTGATGAAATCAGGAACACT TTGGGGAAAAGGTGGCCCTGTACTTCGTCTGGCTGGGCTGGTACACCTACATGCTTTTGC CGGCCGCCCTGACAGGCCTTTAGTCTTTCTGAGCGGATCCTCGTGTGTTGAGGCCACCC GATCAGCAAGGAGATCTGTGAAGCCCCGACATNCTCATGTGTTCCCTCTGNGACACAGCC GCAAGTACCAACGGCTCTCGGAAACCTGCACTTTGGCAGCTTACCCACCTTTTGACAATG AGGACGGGGGTGTTCCCATTTTATGTTTGGGGCACGGGTTCCTGAGATCTGAAACG CGACCCGCCCTTGGCCTTCC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AK026923 unedited</p> <pre> NGGAAATTAGCTAGTGTACCGTCGGCCGCAATCGAGGATCGAGTTAAATCTTTTTTTTT TTTTTTTTTTTTTTTTTGTACAGGCTTAATTTTACTGCAAAAACGGTTGGCTGAAGGGAA CAGGCCAGCGAGGTGGGCTCAGGACACCCCAACAGCCAGGATGGGGGCACGGCAGGATC TGGCGCCCAAAAATCAAAGGGAGGCCAGGAAATTTGCGCCATTTTTCTGCCTTGGGGC TGCTGAGGAGCCCTCACTCCCAGTTCTGTGGGGGCCAGGGGCACCCAGAGTTCAAATC AGGGCTGTGCCAAGCCTGCGAGCCCCACAAGACCGAGCAAGCGGAATAAGGGGGCAGC TCACAGCCCTGAACATACAGGGGATTCCTGCGGCCCCACATGGGCACAGACTTTTTACAG AACCCCTAACACGCACAACGGTGGGCTTGTGGGAAGTGTGGTGGTGGCACTGTCTCAA CTTCTGGTGGCCTCTGGACGGGCTCTGGGCCTAAAAGTCTGTGCCCCGGCACTGAAAAT GGTGCCCAAAAACCTTGGTTTTTACCCACTGAGGGATGGTGGCACCAAAAACAGCGGCGA ATAACTTGATCCCAAGGCCCTTCCCTAAAAAGAAGAAAAAAGCCACCCGGAGGGCC CCGAAGAACACCAAAACCGCTCCGAAAAAGATTTATATCGGGCGGATATGGGGGGGCCCC GGAATTGGACAAAAACAATTTTTTGGACCCTCAAACCCCCAGGGCCCTGGAAATCTTT GGGGGGAAAAAAGAAAGCGGGGTGAAAAAACCTTGGGGGACCAAGAAAAAATTGCTCC TTTAGGAGATGGGGAACGGGGCTGTGAAACACTGGGGGAAGAACAACAAG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK026923
<b>Insert Size:</b>	3000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:** [AK026923.1](#)

**RefSeq Size:** 2831 bp

**RefSeq ORF:** 2831 bp

**Locus ID:** 338440

**Cytogenetics:** 11p15.5

**Domains:** DUF590

**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]