

Product datasheet for **SC126915**

ANO4 (NM_178826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANO4 (NM_178826) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANO4
Synonyms:	TMEM16D
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_178826, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCAAGCTCTTCTGGAATCACTAATGGAAAAACCAAGTCTTCCACCCAGTGGCCAAGGATGTCA
ATATTCTTTTTGATGAATTAGAAGCTGTCAGCAGTCCTTGCAAAGATGACGATTCTTCTTCCACCTGG
AAACCTGACTAGTACTTCAGATGATGCCAGCAGATTGGAAGCCGGGGAGAGACAGTGCCAGAAAGAAAC
AAATCAAATGGACTTTACTTTTCGAGATGGAAAGTGTGCAATTGACTACATCCTTGTGTACAGAAAAATCCA
ACCCCCAGACTGAAAAGAGAGAAGTATTTGAAAGAAACATTAGAGCAGAAGGATTGCAAAATGGAGAAAGA
GTCCTCTCTAATAAATAGTGACATTATCTTTGTGAAGTTGCATGCCCCATGGGAAGTCTTGGAAGATAT
GCAGAACAAATGAATGTAAGAATGCCTTTTCAGGAGAAAAATCTATTACCTGCCCCGCCGTTACAAGTTCA
TGAGCAGGATCGATAACAAATAAGCAGGTTTCGGAGATGGTTACCTAAGAAGCCAATGAGGCTGGACAA
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AGCTGCGTTTTCCCTGCATGAGGGAAAGTTATAGAAGTAAAAACTCCATTGCAACCCATGGAGCAGAAAAAC
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TACCGGGTGGTACTGTGACGACTTTGCTGCCTTTAAGTGGGCGTTAATCAGGAATAACTCTCAGGTTG
CAACCACAGGGACTGCTGTGTGCATCAACTTCTGTATCATTATGTTGCTGAATGTGCTCTATGAAAAAGT
TGCCCTGCTTCTGACGAATTTAGAACAGCCTCGCACAGAGTCTGAGTGGGAGAACAGCTTCACCCTGAAA
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CAGGACACCCAGGTGCCTACTTGAGGCTGATAACAGGTGGAGACTAGAAGAGTGCCACCCTAGTGGATG
CCTTATTGATCTGTGTATGCAAATGGGTATTATAATGGTGCTAAAGCAGACCTGGAATAATTTTCATGGAA
CTTGGCTACCCGTTAATTCAGAATTGGTGGACTAGAAGAAAAGTACGACAAGAACATGGACCTGAAAGGA
AAATAAGTTTCCACAATGGGAAAAGGACTATAACCTTCAGCCGATGAATGCCTATGGACTCTTCGATGA
ATACTTAGAAATGATTCTTCAGTTTGGATTCACTACTCTTTGTGGCAGCTTTTCCCCTAGCACCCTT
CTGGCCTTACTGAATAACATAATTGAAATTCGACTTGATGCTTACAAATTTGTCACACAGTGGAGGAGAC
CTTTAGCTTCAAGGGCCAAAGACATAGGAATTTGGTATGGAATTCCTGAAGGCATTGGAATTCCTCTGT
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TATTTTGAATTTCTGACTTTGAGAACCGATCTGAGCCTGAATCTGATGGCAGTGAGTTCTCGGGGACTCC
TCTTAAGTACTGCAGATACCGGGACTACCGTGACCCGCCCTATTCACTGGTGCCCTATGGCTACACACTG
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AGCACCTCATTTTCATATCTGATCCAGACCTCCCAAAAGACCTAAGGGATCGAATGAGAAGAGAGAAGTA
CTTGATTGAGGAGATGATGTATGAAGCAGAACTGGAACGTCTCCAGAAGGAACGAAAGGAGAGGAAGAAG
AATGGAAGACACACCACAACGAGTGGCCGTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178826 unedited TATACGACTCACTATAGCGGCCGCGAATTCGCACGAGGCTTTTCATCCCTCTTCTCGCC TTTCCTAGCCCAGCCTAGTGCCACCTCCCCGACCATGCCCTCCCTGCACCTGGGGAG GGGGAGGACCAGTCTGGGCGTGATGCTCTGAGACGGTGGTGAATCCACCAGGCTGCTT TCACTCCGGCTCGCTCTCCGGAGAGTCTGTTCAGACTTCTCAGGGTTTTACAGCACA AACAACTGCATACGGCCCGAGGGGAGGCTGAAAAGGACTTGTGTGTGGTGGTTTTATTGC CTGTCATCACTTTGCTGGCCTCTCCCGACTGGAGCCTGGAGGTTACAGTGGATTCTT TCTGCCGAAGACACCAAGGCACTGAGGAAGGATCCCTTCTCCTTCTGTTGACTCTTTCTA TTTTTATGGTTTTAAGTTTATCTATTTCATGGGGCTGAAAAGCGTTTGCAAAATCCATCAACG GCGAAGTGTGGCAAGCCGCCAGCGTCACGTCGTCGCTGTGGTCAGGCATTCTCTC ACTCCCACCAGGCAGAAGGTCAATAAAATGGAGGCAAGCTCTTCTGGAATCACTAATGG AAAAACCAAAGTCTTCCACCCAGTGGCCAAGGATGTCAATATTCTTTNTGATGAATAGAA GCTGTCAGCAGTCTTGAAGATGACGATTCTCTTTNACCCTGNNAACCTGACTAGTA CTTCAGATGATGCCAGCAGATTGAAAAGCCGGGGAGAGACAGTGCCAGAAAGAACAATC AAATGGACTTTACTTTTCAGATGGAAAGTGGTCGATNGACTACANCCTGGGGTACAGAAAT CCACCCCAAGCTGAAGAAAGAAGTTTTTGAAGAACATTANACCNAGGATTGCATGGNAA AAAGATCCTTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_178826
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:	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_178826.2, NP_849148.1</u>
RefSeq Size:	4142 bp
RefSeq ORF:	2763 bp
Locus ID:	121601
UniProt ID:	<u>Q32M45</u>
Cytogenetics:	12q23.1
Protein Families:	Transmembrane

Gene Summary:

Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide (By similarity). Does not exhibit calcium-activated chloride channel (CaCC) activity (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.