

Product datasheet for **SC300251**

Anoctamin 7 (ANO7) (NM_001001666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anoctamin 7 (ANO7) (NM_001001666) Human Untagged Clone
Tag:	Tag Free
Symbol:	Anoctamin 7
Synonyms:	D-TMPP; DTMPP; IPCA-5; IPCA5; NGEP; PCANAP5; PCANAP5L; TMEM16G
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001001666, the custom clone sequence may differ by one or more nucleotides ATGCGAATGGCTGCCACTGCCTGGGCGGGCTCCAAGGGCCACCCTCCCACCCTCTGT CCCGCAGTGAGGACGGGACTCTACTGCCGAGACCAGGCTCACGCTGAGAGGTGGGCCATG ACCTCCGAGACCTCTTCCGGAAGCCACTGTGCCAGGAGCAGGATGCTGCGGCGACGGGCC CAGGAAGAGGACAGCACCGTCCTGATCGATGTGAGCCCCCTGAGGCAGAGAAGAGGGGC TCTTACGGGAGCACAGCCACGCCTCGGAGCCAGGTGGACAGCAAGCGGCCCGCTGCAGA GCTGGGAGTCCTGCCAAGCCCCGGATCGACTTCGTCCTCGTTTGGGAGGAGGACCTGAAG CTAGACAGGCAGCAGGACAGTGC CGCCCGGACAGAACAGACATGCACAGGACCTGGCGG GAGACTTTTCTGGATAATCTTCGTGCGGCTGGGCTGTGTGTAGACCAGGTACGTGGAGGC TGTCATGGGCAGGGCCCTAGGCCCTGCATCCACTCAGTGACCCATGACCTTGCCGATGA
Restriction Sites:	Please inquire
ACCN:	NM_001001666
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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: [NM_001001666.1](#), [NP_001001666.1](#)

RefSeq Size: 917 bp

RefSeq ORF: 540 bp

Locus ID: 50636

UniProt ID: [Q6IWH7](#)

Cytogenetics: 2q37.3

Protein Families: Transmembrane

Gene Summary: This prostate-specific gene encodes a cytoplasmic protein, as well as a polytopic membrane protein which may serve as a target in prostate cancer diagnosis and immunotherapy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (2, also known as NGEP-S) lacks several exons and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (2, also known as isoform NGEP short) is shorter and contains a distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.