

Product datasheet for **MC222209**

Ano7 (NM_207031) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano7 (NM_207031) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ano7
Synonyms:	IPC; NG; NGE; Ngep; Ngep-L; Pc; Pcanap5; Tmem16g
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222209 representing NM_207031
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGGGGGCAAGCGGAGAAGAAGACAGCGTGGTGTGATCGACATGGCCTCCCCTGAAGCAGGGA
 ATGGATGCTCCTATGGGAGCACAGCCCAAGCCTCAGAGGCAGGTAACAGCAGGTGGCCCCAGCAGAGT
 TGGGAGCTCTGCCAAACCCCAATTGATTTTGTCTTGTGGGAAGAAGACCTGAGGAACCAAGAGAAC
 CCCACGAAGGACAAGACAGACACACAGAGGTCTGGCGGGAGACTTTTCTGGAGAATCTTTGCTTGGCTG
 GCCTGAAAATAGATCAGCATGATGTCCAGGATGAGGCCGCTGCAGTTCATTACATCCTCCTCCGCGCACC
 CTGGGCTGTGCTTTGCTACTATGCAGAAGACCTGCGCCTGAAGCTGCCTCTACAGGAGTTACCAACCAG
 GCCTCCAAGTGGTCAGCCACCCTTCTGGAGTGGCTGGGCATCCCCAATATCCTGTGGAGCAGTGCCTG
 ACAGCCCCCGAGTATTACTCCTGCCAGTTCAAAGCAAGCAAGCTGCAATGGTTTCTTGGGAGTGACAA
 CCAAGACACCTTCTTACCAGCACCAAGAGGCATCAGATTCTATTTGAGATCCTGGCCAAGACTCCATAT
 GGGCACGAGAAGAAAGGCCCTGTTGGGATTGACCAGCTGCTGGCAGAAGGTGATTACAGTGCAGCCTTCC
 CTCTGCATGACGGCCATTCTCTGCAGTCCCAGAGAGCTCACAGGTCTGGGTCTCATCCAACGCCAAGT
 CTTATCCAGCACTGGGCTCGCTGGGGCAAGTGGAAACAAGTACCAGCCATTGGACCATGTGCGAAGGTAC
 TTCGGGGAGAAGGTGGCTCTCTACTTCGCTGGCTTGGGTTTTACTGTTGGCTCCTGCCTGCGGCAG
 TAGTGGGCACAGTGGTCTTCTGGTGGGATGTTTCTGGTGTCTCAGACATACCAACGCAGGAGCTGTG
 TCACAGCTCAGACAGCTTCGACATGTGCCCGCTGTGCTCCGACTGTTCTTTTGGCTGCTCTCAGTGCC
 TGCACCCTGGCCAGGCTGGCGGCTCTCGACCATGGCGGACCGTCTTCTTTCAGTTTGTTCATGGCAC
 TGTGGCGGTGCTGCTTCTGGAGTACTGGAAGCGGAAAAACGCCACATTGGCCTACCGCTGGGACTGTTT
 TGACTATGAAGACATTGAGGAGAGGCCCTCGGCCCAAGTTCGCTGCAACGGCCCCCATGACAGCCCTGAAC
 CCCATCACGGGGGAAGATGAGCCCTACTTCTGAGAAGAATCGTGTACGCCGATGCTGGCTGGTCTG
 TGGTGTCTTGATGATGGTGGCTGTGGTATTATGTGCCTTGATCTGTATCCTGTACCGGGCCGTCAT
 GGCTATCATTGTGCCAGGTGAGACAACGCCTTCTCTGCCTGGGCTTACGGATTGCCAGCCTCACA
 GGGTCAGTGGTGAACCTTGTCTTCTCATCCTCATCCTTCCAAGGTCTATGTGCTCCTGGCCAGGCTCTAA
 CAAGATGGGAGATGCACCGGACACAGCCGAGTTTGGAGTGCCTTACCCTCAAGGTGTTTCTTCCAA
 GTTTGTGAATTTCTACGCTCGCCGTGTATATCGCCTTCTTCAAGGGCAGGTTTGTGGGATACCGGGC
 AACTACCACACCTTGTGGAAATCCGAAATGAGGAGTGTCCAGCTGGAGGCTGCCTCAGTGCAGTGGCAC
 AGGAGCTCCTGGTCATCATGGTGGGCAAGCAGATCATCAATAACGTGCAGGAGGTTCTTGTCCAAAGCT
 GAAAGGCTGTGGCAGAAGTCTCCAGGGGCAAGAAGGCTGGCACGGGGACCCACCCAGCACCTTGGGAG
 GCCGACTATGAGTTGCTGCCTTGTGAGGGGCTGTTTACGAATACCTTGAATGGTGTGAGTTTGGAT
 TCGTCACCATCTTCGTAGCTGCCTGCCGCTGGCGCCGCTTTTGGCCCTACTCAACAAGTGGTGGAGAT
 CCGCCTAGATGCGCGCAAGTTCGTGTGCGAGTATCGGCGCCAGTGGCGGAGCGCGCCAGGACATCGGC
 ATCTGGTTCCACATCCTAACGGGCTCACACACCTCGCGGTATCAGCAATGCCTTCTGCTGGCCTTCT
 CCTCCGACTTCTGCCAGTGTCTACTACAGCTGGACGACGCCCCTGACCTGCATGGCTTCTCAATTT
 CACGCTGGCAGCAGCACCGCCACTTTCACCTCCGACACAACCGCACTTGCAGGTACCGGGCTTCCGG
 GATGATGATGGACACTATTCTCCGACTTACTGGACTCTCCTGGCCATCCGCTGGCCTTTGTCATCGTAT
 TTGAGCATGTGGTGTCTCCATTGGCCGTGTTCTGGATCTTGGTTCTGACATCCCAGAATCCGTGGA
 GATCAAGGTGAAGCGGAATACTATTTAGCTAAACAAGCACTGGCTGAGAACGAGGCTCTCCTTGGAGCA
 ACAGGAGTGAAGGATGACCAACCTCAAGTTCAGAGCCAGCCTGGGTCTTCCAGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_207031
Insert Size: 2580 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).
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:	NM_207031.2 , NP_996914.1
RefSeq Size:	4019 bp
RefSeq ORF:	2580 bp
Locus ID:	404545
UniProt ID:	Q14AT5
Cytogenetics:	1 D
Gene Summary:	<p>This gene encodes a member of the anoctamin family, which in mammals is comprised of 10 members. Anoctamin proteins are proposed to have eight transmembrane domains with both termini facing the cytoplasm and a C-terminal domain of unknown function. While some members have been characterized as calcium-activated chloride channels, this protein is reported to have little anion conductance activity. In humans, this protein is primarily found in prostate tissues and may serve as a target for prostate cancer immunotherapy. Alternative splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>