

## Product datasheet for **MC220190**

### Ano10 (NM\_133979) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ano10 (NM_133979) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ano10
Synonyms:	AI604832; Tmem16k
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220190 representing NM\_133979  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGAGTGACTTTATCAACGCTGGATACTTGTGAGAGCTCCTTCACACCTCTAGTGGTCATAGAAGCTCG  
 CCCAGGATGTCAAAGATGAAACCAAGAATGGCTCAAAAACAGAATCATTGCCAAGAAGAAAGATGGAGG  
 TGCCAGCTATTGTTTAGACCACTGCTAAATAAGTATGAGAAAAGAAACCTAGAAAACAGAAATTTATAC  
 CTTGTTGGTGCCTCCAATGTCCGACTGTTACTGGGGCAGAAAGCAGTCGGTCTGGTGAAGGAATGTACGG  
 ACGCTGCCATGCGGGCCTCACCTATGGAACACGCCACAACCTTAAAGGTTTCCATGATAACAATAATGA  
 CTTCTCACCATGGCTGAGTGTCACTTATTCAAAACACGAACCTTGAGAATCTTAGAGCTAGAGACGAG  
 AAGATGATCCCTGGCTACCCACAGGCCAACTGTACCCTGGGAAGTCGCTGATGAGGAGACTGCTCACGT  
 CTGGCATCGTGACCAAGTGTCCCGCTGCATGACACTGAAGCCCTGAAGAAGCTGGAGGACACGTGGTA  
 CACTCGGTTTGTCTCAAGTACCAGCCATAGACAGCATTTCGTAGCTACTTTGGGGAGACAATTGCTCTG  
 TACTTCGGGTTCCCTGGAGTACTTCACTTTGCCTTAATCCCATGGCCATCATTGGACTGCCTACTACC  
 TGTTTGTGTGGGAAGACTACGACAAGTATGTCATCTTTGCCTCGTTCAACCTCATATGGTCCACAGTGAT  
 CCTGGAGGTGTGGAAGCGTGGCTGTGCCAATGACCTATCGCTGGGGACTCTGGTCAAGAGGCGAG  
 TTTGAGGAGCCCCGGCCAGGGTTTCATGGAGTCCCTGGCATCAATTCAGTCACGGGCCGGGAGGAGCCCC  
 TCTACTCGAGCTACAAGAGACAACCTGCGCATCTACCTAGTCTCTCTGCCATTTGTGTGCCTCTGCCTTTA  
 TTTCTCCCTTTATGTCATGATGATCTACTTTGACATGGAGGACTGGGCCCTTGAGTCTCCACGAGGACAGT  
 GGGTCTGAGTGGACCAGCCTTCTGCTGTATGTACCCAGCATTGTTATGCCGTTGTGATTGAGATCATGA  
 ACCGCCTCATCGATATGCTGCCGAGTTCCTAACATCTTGGGAGAATCACAGATTGGAATCTGCCTACCA  
 GAATCATCTCGTTCTGAAAGTGTGGTGTCAACTTCCTGAATTGCTTCGCCTCACTCTTCTACATTGCC  
 TTTGCTCTGAAGGACATGAAGCTTTTGCGCCAGAGCTTGGCCACACTCCTGATCACCTCCCAGATTCTGA  
 ACCAAGTCGTAGAATCTTCTTCTTACTGGCTGCAGCGGAAGTACTGTGCGAGGGTAAAGCGGAAGGT  
 TCAGGCATTAAGTCTGAGGTCGACACAACCTTGTATGAGCAAGTCCCTGGAGAAGGAAATGGGAACG  
 TACCTGGGAACCTTTGATGATTACCTGGAGTGTCTCTGCAGTTTGGCTATGTGAGCCTTTTCTCTGTG  
 TTTACCCGCTAGCAGCTGCCTTTGCTGTGTTAAATAAATTCACTGAAGTCAACTCAGATGCCTTGAAAAT  
 GTGCAGGGTCTTCAAACGGCCATTTGCAGAACCTTCGGCCAGTATTGGCGTATGGCAGTTGGCTTTTGAA  
 ACGATGAGCGTTATATCCGTGGTCACTAACTGTGCTCTGATTGGAATGTCACCACAAGTGAATGCAGTCT  
 TTCCAGAATCCAAAACAGACCTTGTCTGATTGTGGTGGCCGTAGAGCATTGCACTCTTGGCTCTGAAGTT  
 CATACTCGCATTGCCATCCCTGATAAACACAGGCACATCCAACAGAAACTGGCCAGATTGGAATTCGAA  
 TCTTTGGAGGCACTCAAGCAACAGCAAATGAAGCTGGTGGCAGAAAACCTGAAGGAGGAGTACCAGGAAG  
 ATGGGAAGGAAGCTACC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133979
- Insert Size:** 1980 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:**

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\\_133979.3](#), [NP\\_598740.1](#)

**RefSeq Size:** 2653 bp

**RefSeq ORF:** 1980 bp

**Locus ID:** 102566

**UniProt ID:** [Q8BH79](#)

**Cytogenetics:** 9 F4

**Gene Summary:** 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 inhibit anion conductance. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Dec 2012]  
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.