

Product datasheet for **MC220037**

Ano3 (NM_001081556) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano3 (NM_001081556) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ano3
Synonyms:	AI838058; B230324K02Rik; Tmem16c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220037 representing NM_001081556
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCACCCTCAGGCTCCATTCAGTCTTTAAACAGCAAAAAGGTATGAATATAAGCAAAAGTGAGA
 TAAACAACGAAGCGTCATTAACCACATCTAGGAGATCCCTGCCTTGCCTGGCCAGAGCTATGCTCATT
 AAAAAGCTTGAGTCAATCTGCTTCACTGTTTCAGTCAACTGAGAGTGAATCTCAGGCTCCAACCTTGT
 ACATTTCTTTCTGCTGATAAGCCTGAACATGTTACTTCGGAGGAGAGTAGAAAGGACTCTACCCTAAGT
 GTTCTTTGCTGACCTCAGTACTTTTCTGGCTCTGGGAAAGACAAGGATTACCTGGATGAATCTGA
 ACATGCCAACTATGATCGATCTCGTCTCCTTAATGACTTTGTTACCAAAGATAAGCCTGCATCCAAGACA
 AAGCTGTCTAAGAATGACATGAGTTACATAGCATCTAGTGGACTCTTATTCAAAGATGGCAAAAAGCGAA
 TTGATTACATCCTGGTTTATCGAAAAACAAATATAACAATATGATAAAAAGAAACACATTTGAAAAGAACCT
 GAGAGCAGAAGGCTTGATGTTGGAGAAGGAGCCAGCAATTGCCAACCCCGACATCATGTTTATTAATAAT
 CACATTCATGGGACACACTGTGCAAGTATGCAGAGAGGCTGAACATCAGGGTGCCTTTCAGGAAGAAAT
 GTTACTATACTGACCAGAAGAACAATCAAGAGCAGGGTACAAAACCTATTTCAAAGAATCAAAAATG
 GATGTCCCAAAACCAATGGTCTTGACAAGTCAGCGTTTCCAGAGCTGGAGGAGTCCGACTGCTATACT
 GGACCCTTCAGCAGAGCTAGGATTCACCACTTCATAATAACAATAAGGACACCTTCTTCAGCAATGCTA
 CTCGAAGCAGGATAGTTTATCACATGCTGGAACGCACCAAAATATGAAAATGGAATATCAAAGTGGGTAT
 CCGTAAGCTTATCACTAATGGTTCATACATAGCAGCATTTCACCCACATGAGGGAGCCTACAAGAGTAGC
 CTTCCGATCAAAACCCATGGACCTCAGAATAACAGGCATCTGTTGTATGAGCGCTGGGCACGCTGGGGAA
 TGTGGTACAAGCATCAGCCTCTGGACTTAATCAGGATGTACTTTGGTGAGAAGATTGGCTTATACTTCGC
 CTGGCTGGGATGGTACACCGGAATGCTGATTCCTGCTGCAGTTGTCGGCCTGTGTGTTTTCTTCTATGGA
 TTAGTCACAATGAACGAAAGCCAAGTAAGCCAAGAAATCTGTAAGCCACTGAAGCTTTCATGTGCTCCTC
 TATGTGACAAGAATTGCTCACTGCAGAGACTCAACGACAGCTGCATCTATGCCAAGGTAACATATTTGTT
 TGATAATGGAGGGACAGTTTTCTCGCTATTTTTATGGCAATATGGGCCACAGTCTTTCTTGAGTTTTGG
 AAAAGGAGAAGAAGCATTCTGACTTACACTTGGGACCTTATTGAATGGGAAGAAGAGGAGGAAACACTTC
 GCCCCAGTTTGAAGCAAAATATTACAGGATGGAGGTAATAAACCCCATCACGGGAAGCCTGAGCCTCA
 TCAGCCTTCATCCGACAAAGTCACGCGACTTCTGTGTCTGTCTCAGGAATCTTCTTCATGATCTCCTTG
 GTCATCACAGCAGTGTTCGAGTTGTAGTGTACCGTCTGGTAGTCATGGAACAGTTTGCATCATTCAAGT
 GGAATTCGTCAAACAGCACTGGCAGTTTGTACATCTGGTGTCTGTCTGTATCAATTCATAATCAT
 CATGCTGCTGAATCTTGCTTATGAAAAATTGCATACCTCCTCACTAACTTAGGTAAGTTCAATTTCTCT
 ATTTTACTTGTAGTAAGTAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081556

Insert Size: 1914 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:	<u>NM_001081556.1</u> , <u>NP_001075025.1</u>
RefSeq Size:	2304 bp
RefSeq ORF:	1914 bp
Locus ID:	228432
Cytogenetics:	2
Gene Summary:	Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylcholine and galactosylceramide (PubMed:23532839). Does not exhibit calcium-activated chloride channel (CaCC) activity (PubMed:23532839). Seems to act as potassium channel regulator and may inhibit pain signaling; can facilitate KCNT1/Slack channel activity by promoting its full single-channel conductance at very low sodium concentrations and by increasing its sodium sensitivity (PubMed:23872594).[UniProtKB/Swiss-Prot Function]