

Product datasheet for MC202794

Ano6 (NM_175344) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ano6 (NM_175344) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ano6
Synonyms: 2900059G15Rik; AA407480; AW554778; F730003B03Rik; Tmem16f
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC060732 sequence for NM_175344
 GCAGGCTGAGCAGCGCTGCTGAAGCAGAGCGGGCGGAGCGCAGCGGGCAGTGCCGAGAGGGCAGAG
 CGGAGCTTGGCGCCGAGCCGAGCGGAGCCGAGCGGAGCCGAGAGCAGCCGAGTGACGGTCTCCGGGAGA
 CATGCAGATGATGACTAGGAAGTCTGCTGAACATGGAGCTGGAGGAGGACGACGATGAGGATGGAGAC
 ATTGTGCTGAAAACTTTGACCAGACAATTGTCTGCCACCTTTGGATCACTGGAGAATCAGCAGGACT
 TCAGGACTCCAGAGTTTGAAGAATTTAACGGGAAGCCGACTCCCTCTTTTTACCGATGGCCAGAGGCG
 AATCGACTTCATCCTCGTGTATGAAGATGAGAGCAAAAAGGAGAACAATAAGAAAGGGACAAATGAGAAA
 CAGAAGAGGAAAAGACAAGCATAACGAATCTAACCTTATCTGCCATGGGCTGCAGCTGGAAGCAACAAGAT
 CTGTTTCTGATGACAAGCTTGTGTTTCGTAAGAGTGCACGCGCCCTGGGAAGTGTGTGCACCTATGCTGA
 GATCATGCACATCAAACCTCCCGCTAAAGCCAAACGACCTGAAAACGCGCTCGCCCTTTGGCAACCTCAAC
 TGGTTCACCAAGGTCCTCCGGGTGAACGAGAGTGTATCAAGCCAGAGCAGGAGTTCTTCACTGCCCTT
 TTGAGAAGAGCCGATGAATGATTTCTACATCCTCGATAGAGATTCTTCTTCAACCTGCCACCAGAAG
 CCGCATTGTTTATTTATCCTCTCTCGGTCAAATACCAAGTGTGAACAACGTTAACAAATTTGGGATT
 AATAGACTGGTCACTCTGGAATCTACAAAGCAGCGTTTCTCTGCACGACTGCAGATCAACTATGAGT
 CGGAGGACATCAGTTGTCTAGCGAGCGTTACCTCCTGTACAGAGAATGGGCTCACCTCGGAGTATATA
 CAAGAAGCAGCCCTTGGATCTTATCAGGAAGTATTACGGCGAGAAGATTGGAATCTACTTTGCTTGGCTG
 GGCTATTACACGCAGATGCTCCTTCTCGCAGCTGTGGTGGGCGTGGCCTGCTTCTATGGATATCTTG
 ATCAGGATAACTGCACTGGAGCAAAGAGTCTGTGATCCTGACATCGGTGGCCAGATCCTGATGTGCC
 CCAGTGTGACAGGCTGTGTCCGTTCTGGAGGCTGAATATCACCTGTGAATCTTCTAAGAAATTTGTCATC
 TTTGACAGTTTTTGAACCTGATCTTTCGCTGTATTTATGGGAGTGTGGGTTACATTGTTTTTGGAGTTTT
 GGAAGCGCGCCAGGAGGCTCGAATATGAATGGGACACCGTTGAGCTACAGCAAGAGGAACAGGCCCG
 GCCAGAGTATGAGGCCAGTGAATCACGTGGTGATAAACGAGATCACTCAGGAGGAGGAGCGCATCCCA
 TTTACCACCTGTGGGAAGTGCATCCGGGTACGCTGTGTGCGAGCGCCGTTCTTCTGGATCCTGCTCA
 TCATCGCCTCTGTGATCGGGATCATTGTCTACAGGCTGTCCGTGTTTCATCGTATTTTCCACAACGCTCCC
 CAAGAACCCCAACGGGACAGACCCGATCCAGAAGTACCTGACCCACAGATGGCCACATCCATCACAGCC
 TCCATCATCAGCTTCATCATCATGATCCTCAACACGATCTACGAGAAGGTGGCCATCATGATCACCA
 ACTTCGAGCTCCAAGGACCCAGACGGATTATGAGAACAGCCTGACCATGAAGATGTTCTTGTCCAGTT



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TGTCAACTATTACTCCTCATGCTTCTACATCGCATTCTTCAAGGGCAAATTCGTGGGCTATCCCGGGGAC
 CCAGTGTACTTGTGGGCAAATACAGAAGCGAAGAGTGTGACCCGGGGGCTGCCTCCTTGAAGTACCA
 CACAGCTGACGATCATCATGGGGGAAAGGCAATCTGGAACAACATAAAGAAGTCTTGCTCCCATTGGGT
 TATGAATCTAATTGGACGATATAAAGAGTCTCGGGATCAGAAAAGATAACCCACGATGGGAACAGGAT
 TACCATCTGCAGCCATGGGCAAGCTGGGATTGTCTATGAGTATCTTGAATGATTATTCAGTTTGGGT
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 AAGAGTGGACGCGTGAAGCTCACAACCCAGTTTAGGCGCATGGTGCCCGAAAAAGCCAGGATATCGGC
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 AAAGAAAACCCATACATTGGGCTTGGTAACTATACCTTGTGCAGTACCGTGACTTCCGAAACCCACCTG
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 TGTGATGGAGCACATCATCTACTCTGTGAAGTCTTTCATTTCTACGCAATTCAGATGTGTCCAAAATC
 ACGAAAAGCAAGATCAAGAGGGAGAAATACCTCACGCAGAAGTTGCTTACGAGAGTACCTCAAAGACC
 TGACAAAAACATGGGGATCATCGCCGAGAGGATAGGAGGAACGGTTGACAACAGCGTGGCGCCAAAAC
 CGAATGAGCGGGAGCTTTAGGCCTGGAGAAGCACTTTAAAGAGAATTAGCTGTACAGCGTGTGTGAAGCA
 CTAGAGAGGATGGCATTGGAACCTTAGGCAGGCGGAGTCTTGCCCATGCCCATTTCTGCCTGTGTATC
 TTCCAGTTTCAGCAAGCAGTGTGAAACTGGAGAACAGAAAACCTGATCAGGCAGAGCCTAAAACCACTA
 CCTGGAGGTCTGAACATGCTCCCTCTTTTGATAAATTGGAAATTTAGTAACAGGAAAAAAGCCCTGAG
 GTGTGCCCAAGTCTCCCGGGACTTCGCTTTTCTGACCTCACGTGTGCAGAGCTCCTTTCTGTGCTTA
 ATTTTGCATTTTGCCAACTATCCCAGACCTATTTTGTCCGGACAGCACCATCACCAAAGACCAGGCAG
 ACCTCAGCCTTAATCGCCTCTGTGTTATCAACAATAGCCAGCTCAGGATTGAGTTGGATGCTGTGTTAG
 GTCCCAGGTAGGCTCAAGAGTTCACAGTATTTCAAGTGTCTTACTGTACACTCCAAGGAAGGAGACTCCGC
 TCGGTATGAAACAGCTTCTGTATCATTTCAGCCTGTATTTCCACCTCCAAGAAATACTCGTCTTAGATTG
 GCATGAAGATGGAGGATTGAATGAAGAAGCCTGTCCCTGTTACTCCACGGTGACATTTGCTCTTAGC
 AATACTCCAGCATGCTCTGGGTCTGACCAATGTTGACTGGCTTTCAGATCTTAAGGGTATATAAGATGA
 AAAGGTAGCAGCCCTTGTGATCTGAACGGTAAATTTATCTTCTTGGTAGATGATAATCAAATGATTG
 TAACTGTCTCGTCTCAGCATCATGGGCCGGGAAGCCCATCCACTTATGAGAACGGACTAGCAGATGC
 AGAAGGGTGGCACTACCAATCACCAGCGCCTTCTGCCTGCTCGCTGAAAAAGGCTGGTGGCCTGACGA
 CACTGGGCGTAGTCAGAGCAACAGCCAGCTACCAATCACTAGCCATATCCTGTGATCCCTCTGTGGCAG
 ATGTCACTCACTGGGAACCTACTGACTTCTCTGCTTGCACGGTGACCAGCTTCTTGCCAGCTCCAT
 TCGTTGCCTGCTAACTCGTTTGTAAATCACAGCTGGGCTGGAGACAAGTCTACCAAGATTGTTGCCCTTG
 AGGAAGGAAACCCCTGGGTTGAATTTGAGCCCAAGCCTCCTCTCAAGCCATCAGGGGGTTATGGGAAGG
 CTGTTTTATCTGCTGGTGGCTTGTGCGAAGCCTCAGCTTCTAGTGCCTTGCCTCCCTGTTGCTTGGC
 TGAGCAGTCTCTGCGAGCCTGTGCTCCGCTTCTCCTCCAGTCCATCTGGAGGAGACATGGCGATACCTC
 GCACCCTTGACTGATCACAGAGGTGAGTGTGGTGAAGAAGGGAGGACCTGCCTCACACTGTTTGGGGA
 TCGGGCCGCTGCTGACTGGATGGGTGTGGAATGCCTCGGTGCCTAGGAACCAAGCCAAGGAAAGTGAGCG
 GTTTTAGAGACTGCCTTCTCAACACCCGTGGTATTAATGCCACCACGAATGATTTACTAGAGAATTGA
 GAATCAACATGATTAATCAAAGCAGTGTCTGGGCTTTTGGAGTCCAGGGGGTTCAGTGTGGGAGTATT
 TCCCTCCTCCCTTGTCTGGGAGTCCAGAGCCCGCCATACAGTGTCTATCTGTGCTGAGATAAAAATGA
 CTACCTTCTCCCTGAGGGATGCTCTATTGCACAGCTGAAACCAAGTGCCACTCCTTGCCCTACCCCC
 AGATTGCCCTGGAGTGCCTGCTCCCTCTGTTACCTCTTTTCCAGAGCCTGTGCTCACTTCTAAGGACA
 GGAAAGTACTCCCACTCCATACCATAGAAAAGGAAATTTCCCTTCTTTTGTAGACACAAAAGAAA
 AATGTCAAATAAAAAGTGCATTTCTTCTATATTTCCCAAGCCAAAGAACTCCCTTACAAAAGTAGAAAG
 TACCCTATGGACAGAAGAAGGAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_175344
Insert Size: 2736 bp

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| 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>BC060732</u> , <u>AAH60732</u> |
| RefSeq Size: | 4950 bp |
| RefSeq ORF: | 2736 bp |
| Locus ID: | 105722 |
| UniProt ID: | <u>Q6P9J9</u> |
| Cytogenetics: | 15 E3-F1 |
| Gene Summary: | <p>Small-conductance calcium-activated nonselective cation (SCAN) channel which acts as a regulator of phospholipid scrambling in platelets, osteoblasts and fetal thymocytes. Phospholipid scrambling results in surface exposure of phosphatidylserine which in platelets is essential to trigger the clotting system whereas in osteoblasts is essential for the deposition of hydroxyapatite during bone mineralization. Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide. Can generate outwardly rectifying chloride channel currents in airway epithelial cells and Jurkat T lymphocytes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (2) is shorter than isoform 1.</p> |