

Product datasheet for **MC221305**

Ano9 (NM_178381) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano9 (NM_178381) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ano9
Synonyms:	5430425C04Rik; Tmem16j; Tp53i5; Trp53i5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221305 representing NM_178381
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGATGATGAGAGTCCAGATCTTTATGGGGCCAGAAGGGGACCAGTTGCCATTGGTGGAAATGG
 GCAGTTGTAAGCCTGAGGCCTCTGATCAATGGGACTGTGTCTGGTGGCTGACCTCCAGACCCTGAAAAT
 CCAGAAGCATGCTCAGAAGCAACTGCAGTTCCTAGAAAACCTCGAGAGCAATGGCTTCCACTTCAAGATG
 TAAAGGACCAGAAGAAGGTGTTCTTTGGGATCCGAGCTGACAGTGACGTGACGTCATTGACAAGTACCGGACTC
 TCCTCATGAATCCTGAAGATTCTGGCTCCAGAGACGAGCAGAGCTTCAACATAGCTACCACAAGAATCCG
 AATTGTGAGCTTTGTCGTAACAACAAGCTAAAACCTGGTGACACCTTTGAGGACCTGGTGAAGGATGGG
 GTTTTTGAGACCATGTTTCTTGCACAAGGGAGAACAAAACCTGAAGAATATATGGGCTCGGTGGAGAA
 ACATGTTTGAACCACAGCCAATTGATGAAATCAGGGAATACTTTGGCGAGAAGGTGGCTCTGTACTTCAC
 CTGGCTTGGCTGGTACACCTACATGCTGGTGCCTGCGGCTGTGGTGGGCCTCATCGTCTTCTGAGTGGC
 TTTGCCCTGTTTGATTCCAGCCAGATCAGCAAAGAGATCTGTAGTGCCAATGATATCTTCATGTGCCCTC
 TTGGCGACCACAGTCACAGATACCTGCGACTCTCAGAGATGTGCACTTTCGCAAAGCTCACTCATCTCTT
 TGACAACGAGGGCACCGTGCTATTTGCCATCTTCATGGCACTGTGGGCTACGGTCTTCTGGAGATCTGG
 AAGCGAAAGCGTGCCCATGAAGTCCAGAGCTGGAACTGTATGAATGGGATGAGGAAGAGGAAGAGATGG
 CCCTTGAGCTCATTAACTCTCCGCACTATAAGCTGAAAGACCACCGTCACTCCTACCTGAGCAGCACCAT
 CATCCTGATCCTGTCCTGTTTATGATCTGTTTAAATGATTGGCATGGCTCATGTGCTGGTGTCTACCGT
 GTGCTGGCTGGAGCCCTTTCAGCAGCCTCGTGAAGCAGCAGGTGACCACCGCTGTGGTGGTGAAGTGGG
 CAGTGGTACATTATATAATCATTGTCTATCATGACTAAGGTCAACAAATATGTAGCCCTGAAGCTTTGTAA
 ATTTGAGGAATCCGGGACCTTCTCAGAGCAAGAGAGGAAGTTCACTGTCAAGTTTTTTCATCCTGCAGTTC
 TTCGCCCACTTCTCTCTCATCTACATTGCCTTCACTTGGGCAAGATCAATGGTCAACCTGGGAAAT
 CCACGCGCTGGCTGGCCTGTGGAAGCTGGAGGAGTGCCATCTCAGTGGCTGCATGATGGACCTGTTTAT
 CCAGATGGCCATCATGAGGCTGAAGCAAACCTGAGCAACTGCGTTGAGTACCTGTGCCGTTGTTG
 GCCATAAATGGCGTTAATGTGGGCTTCAAACATGGTCAATGTCCAAAGACCAGAACTGAAGGAGT
 GGCAGCGTAACTACTACATGAATCCCATCAACACCTTCAGCCTGTTTGTGAGTTCATGGAGATGATGAT
 CCAGTACGGCTTACCACCATCTTGTGGCTGCTTCCCACTCGCACCCCTGTTGGCGCTCTTCAGCAAC
 CTTGTGGAAATCCGTCTGGATGCCATCAAGATGGTCAAGTACAGCGGCGCTGGTTCCTCGCAAGGCTA
 AGGACATAGGGACCTGGCTGCAGGTGCTAGAGACCATTGGAGTGTGGCAGTCATTGCCAATGGAATGGT
 TATCGCCTTACCTCTGAGTTCATCCCCAGGGTAGTCTACAAGTACCCTATGGCCCGTGCCGAACGAAT
 CGGACCTTACAGATGACTGCCTCACGAACTATGTCAACCATAGCTTGTCTGTCTTACACCAAACACT
 TCAATGACCACAGCAGGATGGAAGGCCAAGAAAACGTGACCGTGTGCAGGTACCGGGACTACCGAAATGA
 GCATGACTACAACCTGTCTGAGCAGTCTGGTTCAATTTGGCCATCCGACTGACCTTTGTTATCCTCTTT
 GAGCATTTTGCCTGTGCATCAAACCTATTGCTGCGTGGTTTGTGCTGATGTGCCCCAGAAAGTGAAGA
 ATGAGGTTCTGCAGGAGAAGTATGACAGAATTCGCCATAGAATGCGCTTCAGTTCAGGAGCACGGATGT
 ATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_178381
Insert Size: 2244 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_178381.3 , NP_848468.2
RefSeq Size:	3012 bp
RefSeq ORF:	2244 bp
Locus ID:	71345
UniProt ID:	P86044
Cytogenetics:	7 F5
Gene Summary:	Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide (PubMed:23532839). Does not exhibit calcium-activated chloride channel (CaCC) activity (By similarity). Can inhibit the activity of ANO1 (By similarity).[UniProtKB/Swiss-Prot Function]