

Product datasheet for **MC221604**

Ano4 (NM_178773) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano4 (NM_178773) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ano4
Synonyms:	A330096O15Rik; Gm65; Tmem16d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221604 representing NM_178773
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTTTCTTCTCGACTGGCTTCATTTTTGCTGTTCTTCCAGGAGAAAAATCTATTACCTGCCCGCC
 GGTACAAGTTCATGAGCAGGATCGATAAACAAATAAGCAGGTTCCGGAGATGGTTACCTAAGAAGCCAAT
 GAGGCTGGACAAGGAGACTGCGAGACCTGGAAGAGAATGACTGCTACACTGCCCTTTTTCAGCCAAACA
 AGGATCCATCACTTCATCATACACAACAAAGACTTTTCTTCAACAATGCCACAAGAAGCAGAATCGTGC
 ATCATATTTTACAAGAATAAAGTACGAGGAAGGAAAGAATAAAATCGGTCTGAACCGCTTGCTTACCAA
 TGGCTCCTATGAAGCTGCCTTTCCCTGCATGAGGGAAGTTACAGGAGTAAAACTCCATTAACCCAT
 GGAGCTGTAACCACCGACATCTACTGTATGAGTCTGGGCTCCTGGGCGTGTGGTACAAGTACCAGC
 CTTTGGATCTTGTAGGCGATATTTGGAGAGAAGATTGGACTGTATTCGCTGGCTGGCTGGTACAC
 AGGCATGCTCTCCCGCAGCCTTCATTGGGTTGTTTGTCTTCTTGTATGGAGTACCACCTCGGATCAC
 TGCCAAGTCAGTAAAGAAGTCTGCCAAGCAACAGATATCATCATGTGCTCCTGTATGTGACAAATACTGTC
 CATTATGAGGCTTTTTCAGACAGCTGTGTCTATGCCAAGGTGACCCACCTTTTTGACAATGGGGCCACTGT
 GTTCTTTGCTGTGTTTTCAGCAGTCTGGGCTACTGTTTTCTGGAATTCTGGAAGAGACGCCGAGCAGTG
 ATCGCTTATGACTGGGATCTGATTGACTGGGAAGAAGAGGAGGAAGAAATACGACCCAGTTTGAAGCCA
 AGTATTTCAAGAAAGAGCGGATGAATCCATTTTCAGGAAAGCCAGAACCTTATCAAGCATTTACTGATAA
 ATGCAGCAGACTTATCGTTTCTGCATCAGGAATATTCTTCATGATCTGCGTGGTGTGCTGCTGTGTTT
 GGGATCGTCATTTACAGGGTGGTACTGTGAGCACTTTTCGCTGCCTTTAAGTGGGCATTAATCAGGAATA
 ACTCTCAGTTGCAACCACAGGACTGCAGTATGCATCAACTTTTGTATCATTATGCTGCTGAATGTGCT
 CTATGAAAAAGTGCACCTCTTCTAACAAATCTGGAACAGCCTCGCACAGAATCCGAGTGGGAGAACAGC
 TTTACCTTGAAAAATGTTTCTTTTTCAGTTTGTCAATCTGAACAGCTCCACTTTTTACATCGCATTCTTCC
 TCGGAAGATTTACAGGACACCCAGGTGCCTACTTGAGATTGATAAACAGGTGGAGGCTAGAAGAGTGCCA
 CCCTAGCGGATGCCTTATTGATCTCTGCATGCAAAATGGGTATTATAATGGTGCTAAAGCAGACCTGGAAT
 AATTTTCATGGAACCTGGCTACCCGTTAATTCAAATTTGGTGGACTAGAAGAAAAGTCCGACAAGAATG
 GGACTGAAAGGAAAATAAATTTCCACAGTGGGAAAAGGACTACAATCTCAGCCGATGAATGCCTATGG
 ACTCTTCGATGAATACCTGGAAATGATCCTTCAGTTCCGATTACAACGATCTTTGTGGCAGCTTTTCT
 CTAGCACCGCTTCTGGCCTTACTGAATAACATCATTGAAATCCGACTTGTGCTTATAAGTTTGTACTC
 AGTGGAGAAGGCCTTTGGCTTCGAGAGCCAAGACATAGGAATTTGGTATGGAATTTCTCGAAGGCATTGG
 GATTCTGTCTGTTATTACAAATGCATTTGTTCATAGCAATAACATCCGACTTCATCCCTCGCTTAGTATAT
 GCTTATAAATATGGACCTTGTGCAGGCCAAGGAGAAGCTGGGCAAAAGTGCATGGTTGGCTATGTGAATG
 CCAGCTTGTCTGTGTTCCGAATTTCTGACTTTGAAAATCGGTCCGAGCCAGAGTCTGATGGCAGTGAGTT
 CTCAGGAACCCCTCTGAAGTACTGCAGATATCGAGACTACCGGGACCCCTCCTCACTCTTTGGCACCCAT
 GGCTACACACTGCAGTTCTGGCATGTTCTCGCAGCTCGGCTGGCTTTTATCATTGTGTTTGGACCTCG
 TGTTTTGTATAAAGCACCTCATTCTATCTGATACCAGACCTCCGAAAGATCTAAGGGACCGGATGAG
 GAGAGAGAAGTACTTGTCCAGGAGATGATGTATGAGGCTGAGCTGGAGCGCCTCCAGAAAGAACGGAAG
 GAGAGGAAGAAGAACGGAAAAGCACATCACAATGAGTGGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_178773
Insert Size: 2355 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_178773.4 , NP_848888.3
RefSeq Size:	4134 bp
RefSeq ORF:	2355 bp
Locus ID:	320091
Cytogenetics:	10 C1-C2
Gene Summary:	Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide (PubMed:23532839). Does not exhibit calcium-activated chloride channel (CaCC) activity (PubMed:22075693).[UniProtKB/Swiss-Prot Function]