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Product datasheet for RN202812

Ano1 (NM_001107564) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano1 (NM_001107564) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ano1
Synonyms:	Tmem16a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202812 representing NM_001107564 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGGACACACAGGACAGCGACATCAGCCTGGAGGGCTTGACCCGAGAGGGAGCCCCTGCGGACCGAG AGTGCCAGAGGGGACCGGAAACAATCGTACACGAGGCACAGGACGCAGGAACCCCCAACTCAGGTGACGC CACCGGGGCTGTGGATGGGGAGCGCGAGGCCACCATGAGGGTCCCCGAGAAGTACTCGACGCTCCCAGCG GAGGACCGCAGCGTCCACATCGTGAACATCTGCGCCATCGAGGACCTGGGCTACCTGCCGTCCGAGGGCA CGTTGCTCAACTCTCTGTCCGTGGACCCTGACGCCGAATGCAAGTATGGCCTATACTTCAGGGATGGCAA ACGCAAGGTGGACTACATCTTGGTGTACCATCACAAGAGAGCCTCGGGTAGCAGGACTCTGGCCAGGAGA GGACTACAAAATGACATGGTCCTGGGGACCCGCAGTGTCAGGCAGGACCAGCCCCTTCCCGGGAAGGGGA GTCCTGTGGATGTGGGCTCACCGGAAGCCCCCATGGATTACCACGAAGATGACAAGCGCTTCAGAAGGGA GGAGTACGAGGGCAACCTGTTGGAGGCAGGCCTGGAGCTGGAACGTGACGAGGATACCAAAATCCATGGT GTCGGGTTTGTGAAGATCCATGCGCCCTGGCATGTGCTCTGCAGGGAAGCTGAGTTTTTGAAACTGAAGA TGCCCACGAAGAAGGTGTACCACATCAGTGAGACCCGAGGCCTCCTGAAAACCATCAACTCCGTTCTGCA GAAGATCACAGACCCCATCCAGCCCAAGGTGGCTGAGCACAGACCACAGACCACAAAGAGGCTCTCCTAC CCCTTCTCCAGGGAGAAGCAACACTTATTCGACCTGACTGACAGGGACTCTTTTTTCGACAGCAAAACCC GGAGCACAATAGTCTATGAAATCCTGAAGAGAACAACGTGCACCAAGGCCAAGTACAGCATGGGGCAAGG AGAGGGAAGAAGGAAGGACTCTGCCCTTCTAAGTAAACGGCGGAAGTGTGGGAAATACGGTATCACCAGC CTCCTGGCCAATGGCGTGTACTCAGCTGCGTACCCTCTGCACGATGGTGACTATGAAGGTGACAACGTTG AGTTCAACGACAGGAAACTCCTGTATGAGGAATGGGCAAGCTATGGAGTCTTCTACAAATACCAGCCCAT TGACCTGGTCAGGAAATACTTTGGAGAAAAGGTTGGCCTGTACTTTGCCTGGCTTGGAGCCTACACCCAG ATGCTCATCCCTGCCTCCATTGTGGGTGTCATTGTCTTTCTCTACGGATGTGCCACCGTGGACGAAAACA TCCCCAGCATGGAGATGTGTGACCAGAGACACAACATCACCATGTGTCCTCTGTGTGACAAGACCTGCAG CTACTGGAAGATGAGCTCAGCCTGTGCCACAGCGCGTGCCAGTCACCTCTTTGACAATCCTGCCACTGTC TTCTTTTCTGTGTTTATGGCCCTCTGGGCTGCCACCTTCATGGAGCACTGGAAACGGAAGCAGATGAGAC

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TCAACTACCGCTGGGACCTCACGGGCTTCGAGGAAGAGGAGGTGAGTAGCTGTGATCATCCCAGAGCAGA
GTATGAAGCCAGAGTCTTAGAGAAGTCACTGAGAAAAGAATCCAGAAACAAAGAGACTGACAAGGTGAAG
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CAGCCCAGTCCCCAGCTACGAGTACCATGGGGGCGCGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107564

Insert Size: 3123 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_001107564.1, NP_001101034.1

RefSeq Size: 4645 bp

RefSeq ORF: 3123 bp

Locus ID:	309135
Cytogenetics:	1q42