

Product datasheet for MR219012

Ano8 (NM_001164679) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ano8 (NM_001164679) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ano8
Synonyms: BC053460; Tmem16h
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219012 representing NM_001164679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAGGGCGCTTCGGGCGCCGGGACGTGACCCTGGAGGGGAGCGGGCAAGAGGCCCCCTCCCG
 AGGGCGAGCCTGCGGCGCCTGCGTCTGGAGTACTGGATAAACTATTTGGGAAGAGGCTCCTGCAGGCTGG
 CCGCTACCTGGTGTCCACAAGGCATGGATGAAGACAGTGCCACTGAGGACTGCGACGTGCTCATGACC
 TTCCAGACACCACTGATGACCACACGCTGCTGTGGCTGCTGAATCACATCCGGGTGGCATTCCCAGC
 TGATCGTGCAAGTTCGCCACCACCGCCACACGCTGCCTATGCCCTCTTTGTACCGCCACATACGAGAG
 CCTGCTCCGTGGGCGGATGAGCTGGGTCTGCGCAAGGCCGTGAAGGCCGAATTTGGAGGGGGCACCCGC
 AGCTTCTCCTGCGAAGAGGACTTCATCTACGAGAATGTGGAGAGCGAGCTACGCTTCTTCACATCGCAGG
 AGCGGCAGAGCATCATTGCTTCTGTTGCAGAACCTTCGAGCCAAGCAGGGGGAGGCTCTGCACAACTG
 GCGCTTCTGGAGGACCAGCAAATCATTCCGGAGCTGGCTGCACGAGGCATCATAAGCAGGTGTTTCCA
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 GATGTTTCTGTGTGGTCTTCGCTCTTCAATGTGATCTGGTCAACACTGTTCTTGAGGAGTGGAAAC
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 AAGCGATTGCTTTTCCAACACTTGTGACGCTGCCTCTGTGCCTGGCCTGTCTTATCTGTGCTTTTATAC
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CTGTACCGCAGGCTGGGCAGCGGGAGCTGGGCTTGC AACCATCCTGGAGCTGGCCCGGGCCCTGCTAG
 GCCTGTGAACCCCTTGCGCCGGATCCCCGACGGCACTTGGAGGCCAGGCTGATGAGGGCGGAGCTGG
 GAGCCGCAAGTGCCTGGGCGGTGGCTGCGGGGCCAGAGGAGGAGAATGAGGAGGAGGAGGAGGACG
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 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219012 representing NM_001164679
 Red=Cloning site Green=Tags(s)

MAEASAGADVTLLEGERGKRPPEGEPAAPASGVLDKLF GKRLQLAGRYLVSHKAWMKTVPTEDCDVLMT
 FPDTTDDHTLLWLLNHIRVGIPELIVQVRHHRHTRAYAFFVTATYESLLRGADELGLRKAVKAFFGGGTR
 SFSCEEDFIYENVESELRFFTSQRQSIIRFWLQNLRAKQGEALHNVRFLLEDQPIIPELAARGIIQVFP
 VHEQRILNRLMKSQVAVCENQPLDDICDYFGVKIAMYFAWLGFYTSAMVYPAVFGSVLYTFTEADQTSR
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 KRLLFQLLVSLPLCLAICVFLMLGCFQLQELVLSVKGLPRLVRFLPKVMLALLVSVSAEGYKKLAVW
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 LYRRLGSGELGLRTILELARALLGLLNPLRPDRRHLEAQADEGGAGSRRLGGGCGAPEEENEEEEAA
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 AGRQKRHNRSWIDPPEEEHSPQLTQAELESCMKKYEDTFQDYQEMFVQFGYVVLFSFAFLAALCALVN
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 VVLEHLALLVKYLIVHAIPIPIGWVAEEMAKLEYQRREAFKRHERQAQRFRQQQRRRREERQRHAE
 QQARRERDTGGREARAEAPGDPVAERGAAKAGSERPRRPGALLPPGPVLRKQIIPLQTRPPAPTGC
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 PRPEDAGHRP

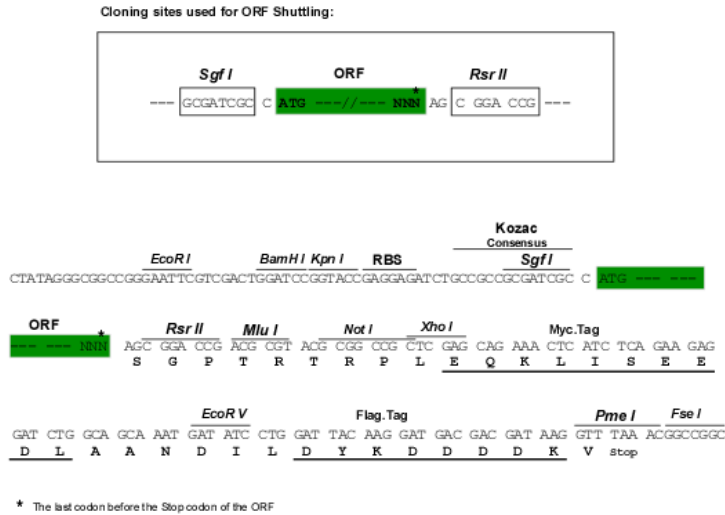
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_d07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001164679

ORF Size: 3180 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001164679.1](#), [NP_001158151.1](#)

RefSeq Size: 3773 bp

RefSeq ORF: 3183 bp

Locus ID: 382014

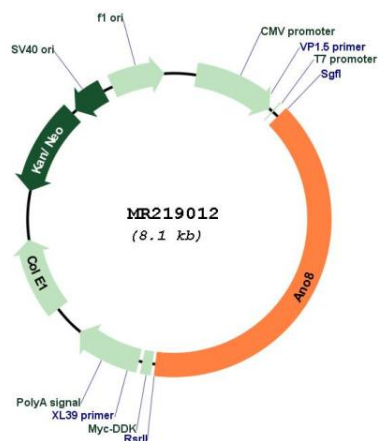
UniProt ID: [Q6PB70](#)

Cytogenetics: 8 B3.3

MW: 119.6 kDa

Gene Summary: Does not exhibit calcium-activated chloride channel (CaCC) activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219012