

Product datasheet for MR231486

Ano1 (NM_001242349) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ano1 (NM_001242349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ano1
Synonyms:	Tmem16a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231486 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGGACGCGCAGGACAGCGACATCGGCCTGGAGGGCTTGACCCAGAGGGAACCTCTGCGGACCGAG
AGTGCCAGCGGGACCGGAAACAATCGCGCACGAGGCACAGGACGCAGGAACCCCAACTCAGGTGACGC
CACCGGGTTGTGGATGGGAGCGCGAGGCCACCATGAGGGTCCCGAGAAGTACTCGACGCTCCCGCG
GAGGACCGCAGCGTCCACATCGTGAACATCTGCGCCATCGAGGACCTGGGCTACCTGCCGTCGAGGGCA
CGTTGCTGAACCTCTGTCCGTGGACCCCGACGCCGAATGCAAGTATGGACTATACTTCAGGGATGGCAA
ACGGAAGTGGACTACATCTTGGTATACCATCACAAAGAGAGCCTCAGGGAGCAGGACTCTGGCCAGGAGG
GGACTACAAAATGACATGGTCCCTGGGGACCCGACGCTCAGGCAGGACCAGCCCTTCCCGGAAGGGGA
GCCCTGTGGATGCAGGCTCACCGAAGTCCCATGGATTACCATGAAGATGACAAACGCTTCAGACGGGA
GGAATATGAGGGCAACCTGTTGGAGGCAGGCTGGAGTTGGAGAATGACGAGGATACCAAAATCCATGGT
GTCGGGTTTGTGAAGATCCATGCGCCCTGGCATGTGCTCTGTAGGGAAGCTGAGTTTTTAAACTAAAGA
TGCCCAAAAGAAGGTGTACCACATCAGTGAGACGCGAGGCTCCTGAAAACCATCAACTCGTTCTGCA
GAAGATCACAGACCCCATCCAGCCCAAGGTGGCTGAGCACAGGCCACAGACCACAAGAGGCTCTCTAT
CCCTTCTCCCGGAGAAGCAACACCTATTCGACCTGACTGACAGGACTCTTTTTGACAGCAAAACCC
GGAGCACAAATAGTCTATGAAATCCTGAAGAGAACAACGTGCACCAAGGCCAAGTACAGCATGGGTATCAC
CAGCCTCTGGCCAATGGCGTATACTCAGCTGCATACCCTCTGCACGATGGGGACTATGAGGGTGACAAC
GTTGAGTCAACGACAGGAACTCCTGTATGAGGAATGGCAAGTTACGGAGTCTTACAAAATACCAGC
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AGGCTCAACTACCGATGGGACCTCACAGGCTTCGAGGAGGAGGAGGATCATCCCAGAGCAGAGTATGAAG
 CCAGAGTCTTAGAGAAGTCACTGAGAAAAGATCCAGAAAAGAGACCGACAAGGTGAAGCTGACCTG
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 TCCCCAGCTACGAGTACCATGGGACGCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231486 protein sequence
 Red=Cloning site Green=Tags(s)

MQDAQSDIGLEGLTPEGTSADRECQRGPETIAHEAQDAGTPNSGDATGVVDGEREATMRVPEKYSTLPA
 EDRSVHIVNICAIEDLGYLPSEGTLLNSLSVDPDAECKYGLYFRDGRKRVYDYL VYHHKRASGSRTLARR
 GLQNDMVLGTRSVRQDQPLPGKSPVDAGSPEVPM DYHEDDKRFRREEYEGNLL EAGLELENDEDTKIHG
 VGFVKIHAPWHVLCREAEFLKLMPTKKVYHISETRGLLKTINSVLQKITDPIQPKVAEHRPQTTKRLSY
 PFSREKQHLFDL TDRDSFFDSKTRSTIVYEILKRTTCTKAKYSMGITSL LANGVYSAAYPLHDGDYEGDN
 VEFNDRKLLYEEWASYGVFYKYQPIDLVRKYFGEKVGLYFAWL GAYTQMLIPASIVGVIVFLYGCATVDE
 NIPSMEMCDQRYNITMCPLCDKTC SYWKMSACATARASHLFDNPATVFFSVFMALWAATFMEHWKRKQM
 RLNYRWDLTGFEEDHPRAEYEARVLEKSLRKE SRNKETDKVKL TWRDRFPAYFTNLVSIIFMIAVTFA
 IVLGVIIYRISTAAALAMNSPVSRSNIRVTATAVIINLVV IILLDEVYGC IARWLTKIEVPKTEKSF
 EERLTFKAFLLKFVNSYTPIFYVAFFKGRFVGRPGDYVYIFRSFRMEECAPGGCLMELCIQLSIIMLGKQ
 LIQNNLFEIGIPKMKKFI RYLKLRQSPSDREEYV KRKQRYEVD FNLEPFAGL TPEYMEMI IQFGFVTLF
 VASFPLAPL FALLNIIIEIRLDAKKFVTELRRPVAIRAKDIGIWNILRGVGLAVIINAFVISFSDFI
 PRLVYLYMYSQNGTMHGFVNHTLSSFNVSD FQNGTAPNDPLDLGYEVQICRYKDYREPPWSEHKYDISKD
 FWAVLAARLAFVIVFQNLVMFMSDFVDWVIPDIPKDISQ QIHKEKVL MVELFMREEQ GKQLLDTWMEKE
 KPRDVPCNNHSP TTHPEAGDGSVPVPSYEHGDAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Locus ID: 101772

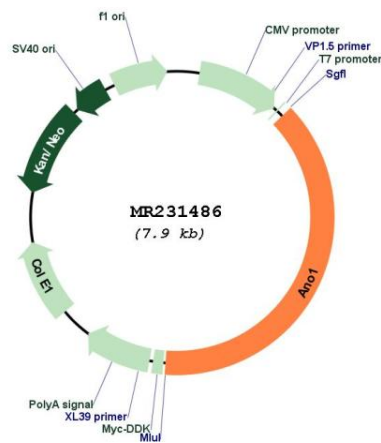
UniProt ID: [Q8BHY3](#)

Cytogenetics: 7 F5

MW: 116.4 kDa

Gene Summary: Calcium-activated chloride channel (CaCC) which plays an important role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231486