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Product datasheet for MR206810

Atp6v1c2 (NM_133699) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v1c2 (NM_133699) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atp6v1c2
Synonyms:	1110038G14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR206810 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGAGTTTTGGCTTATTTCGGCCCCTGGCGATAAGGAAAATTTACAGGCTCTGGAAAGGATGAACA
ATGTAACTTCAAAGTCTAACCTGTCCCACAACACCAAGTTTGCCATCCCAGACTTCAAGGTGGGGACTTT
GGATTCCCTTGTTGGCCTCTCTGATGAGTTGGGGAAACTCGATACCTTTGCTGAAAGCCTCATAAAGAGA
ATGGCACAGAGTGTGGTGGAGGTCATGGAAGATTCCAAGGGGAAAGCACACGAGACCCTCCTGGCTAACG
GAGTTGACCTGACATCCTTCGTGACGCACTTCGAGTGGGACATGGCCAAATATCCCGCCAAGCAGCCACT
GGTGAGCGTGGTGGACACACTGGCCAAGCAACTGGCACAAATCGAGACAGACCTGAAGTCCCGGACAGCC
GCCTACAGCGTTCTGAAGGCCAACCTGGAGAACTTGGAGAAGAGATCCACGGGGAACCTCTTCACTCGGA
CACTGAGCGATATTGTCAGCAAGGAAGACTTCGTACTTGATTCTGAATATCTCATAACCCTCCTGGTCAT
CGTCCCCAAGTCAAGCTTTGCACAGTGGCAGAAGACATATGAGTCCCTATCGGACATGGTGGTCCCTCGG
TCAACCAAATTGATCGCCGAGGACAACGAAGGTGGCCTCTTCACGGTGACTCTCTTCCGAAAAGTGATCG
AAGATTTCAAAGTCAAAGCCAAAGAAAACAAGTTCATTGTCCGGGAATTTTACTACGATGAAAAAGAAAT
TAAACGAGAAAGGGAGGAGATGACCAGGTTGCTGTCTGATAAGAAACAACAGTATCCAACTTCCTGTGTT
GCTCTAAAAAAGGGATCAGCCACCTACCGTGACCACAAGGTTAAGGTAGCCCCGCTAGGTAACCCTGCTA
GGCCTGCTGCGGGGCAGACCGACAGAGACAGAGAGAGTGAGGGCGAGGGTGAGGGACCTCTGCTGCGCTG
GCTCAAGGTGAACTTCAGCGAGGCCTTTATTGCCTGGATCCACATTAAGGCCCTGAGAGTGTTTGTGGAG
TCTGTGCTCAGGTATGGACTTCCAGTGAACTTCCAGGCTGTGCTCCTACAGCCCCATAAAAAGTCAGCCA
CCAAACGCCTGAGAGAGGTGCTCAATTCTGTCTTCCGGCACCTGGATGAAGTTGCTGCAGCAAGCATACT
GGATGCATCCGTGGAGATTCCTGGACTGCAGCTCAGCAACCAGGACTATTTCCCCTATGTGTACTTCCAT
ATCGACCTCAGCCTTCTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

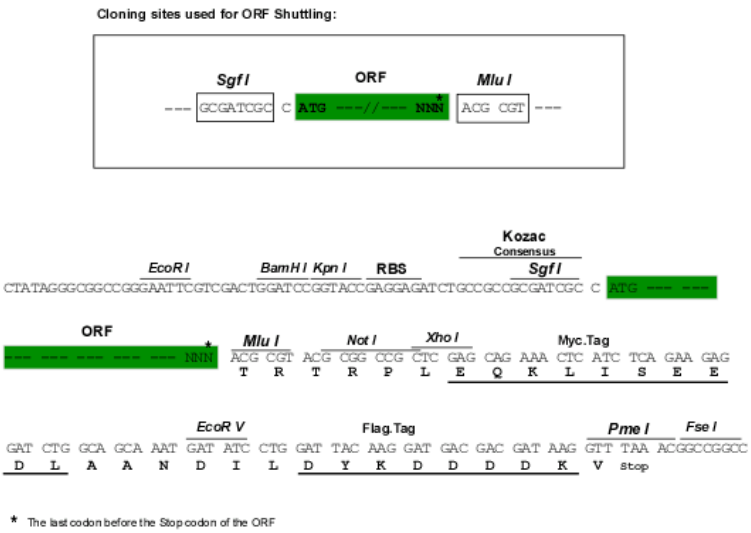
>MR206810 protein sequence
Red=Cloning site Green=Tags(s)

MSEFWLISAPGDKENLQALERMNNVTSKSNLSHNTKFAIPDFKVGTLDSLVGLSDELGKLDTFAESLIKR
MAQSVVEVMEDSKGKAHETLLANGVDLTSFVTHFEWDMAKYPAKQPLVSVVDTLAKQLAQIETDLKSRTA
AYSVLKANLENLEKRSTGNLFTRTLSDIVSKEDFVLDSEYLITLLVIVPKSSFAQWQKTYESLSDMVVPR
STKLIAEDNEGGLFTVTLFRKVIEDFKVKAKENKFIVREFYYDEKEIKREREEMTRLLSDKKQQYPTSCV
ALKKGSATYRDHKVKVAPLGNPARPAAGQTDRDRESEGEGEGPLLRWLKVNFSEAFIAWIHIKALRVFVE
SVLRYGLPVNFQAVLLQPHKKSATKRLREVLNSVFRHLDEVAAASILDASVEIPGLQLSNQDYFPYVYFH
IDLSLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133699

ORF Size: 1284 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_133699.1, NP_598460.1

RefSeq Size: 1567 bp

RefSeq ORF: 1284 bp

Locus ID: 68775

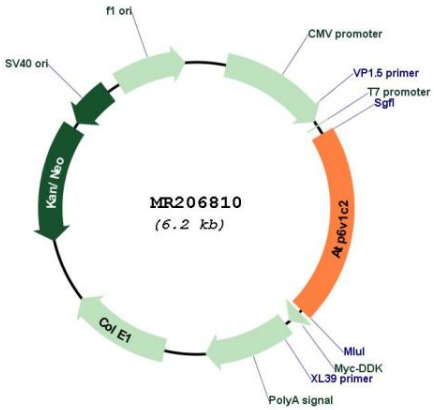
UniProt ID: Q99L60

Cytogenetics: 12 A1.1

MW: 48.4 kDa

Gene Summary: Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206810