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Product datasheet for MC207734

Atp6v1d (NM_023721) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v1d (NM_023721) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp6v1d
Synonyms:	1110004P10Rik; Atp6m; VATD; Vma8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC207734 representing NM_023721
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGGCAAAGACCGGATTGAAATCTTCCCTTCGCGAATGGCACAGACCATCATGAAGGCTCGATTAA
AAGGAGCACAGACTGGTCGAAACCTTCTGAAGAAAAAGTCTGATGCCTTAACTCTTCGATTTCGACAGAT
CCTGAAGAAGATAATAGAGACTAAAATGCTGATGGGTGAAGTGATGAGAGAAGCTGCCTTCTCATTGGCT
GAGGCCAAATTCACAGCAGGGGACTTCAGCACCACAGTTATCCAAAATGTAAATAAAGCCCAAGTGAAGA
TCAGAGCAAAGAAAGACAATGTAGCAGGTGTTACCTTGCCAGTGTTTGAACATTACCACGAAGGAACTGA
CAGCTATGAACTGACCGGTTTAGCCAGAGGTGGGGAGCAGCTGGCTAAACTAAAGCGGAATTATGCCAAA
GCAGTGGAACTACTGGTGGAACTGGCTTCCCTGCAGACTTCCTTTGTTACCCTGGATGAAGCCATTAAAA
TCACCAACAGGCGTGTTAATGCCATTGAGCATGTCATTATTCCCCGGATTGAACGCACCCTTGCCTATAT
CATCACAGAACTGGATGAGAGAGAGCGAGAAGAATTCTATAGGTTAAAGAAAATACAGGAGAAGAAAAAG
ATTATCAAGGAAAAATTTGAGAAGGACTTGGAGCGGCGGAGAGCAGCTGGAGAGGTGATGGAGCCTGCCA
ACCTGCTGGCTGAAGAGAAGGATGAAGACCTGCTGTTCGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_023721
Insert Size:	744 bp

View online »

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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_023721.2, NP_076210.1
RefSeq Size:	1410 bp
RefSeq ORF:	744 bp
Locus ID:	73834
UniProt ID:	P57746
Cytogenetics:	12 35.51 cM
Gene Summary:	Subunit of the peripheral V1 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium (By similarity).[UniProtKB/Swiss-Prot Function]

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