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Product datasheet for MC223886

Atp11a (NM_015804) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp11a (NM_015804) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp11a
Synonyms:	4930558F19Rik; Atpc1h; AU040868; Ih
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223886 representing NM_015804 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGACTGCAGTCTATTGAGGACGCTCGTGCGCAGATACTGTGCAGGGGAAGAGAACTGGGTGGACAGTC GGACCATCTACGTGGGACACAAGGAGCCCCCTCCGGGTGCAGAGGCCTACATTCCACAGAGATACCCCGA CAATAGAATCGTCTCCTCCAAGTACACATTCTGGAACTTCATACCCAAGAACTTATTTGAACAGTTCAGA AGAATAGCCAACTTTTATTTCCTCATCATCTTCCTGGTACAGTTGATCATCGACACACCCACAAGTCCAG TGACAAGCGGGCTCCCACTCTTCTTCGTCATCACTGTCACGGCCATCAAGCAGGGCTATGAAGACTGGCT TCGCCACAAGGCCGACAACGCCATGAACCAGTGTCCCGTGCACTTTATCCAGCATGGCAAGCTGGTCCGC AAGCAGAGTCGGAAGCTGAGGGTTGGGGACATTGTCATGGTGAAGGAAGATGAGACCTTTCCCTGTGACC TGATCTTTCTCTCCAGCAACCGGGCAGATGGGACATGCCATGTCACTACAGCCAGCTTAGACGGAGAGTC GAGCCATAAAACTCACTACGCAGTGCAGGATACCAAGGGCTTCCACACAGAGGCGGATGTTGACAGCTTG CACGCCACGATCGAGTGTGAACAGCCACAGCCTGACCTCTACAAGTTTGTGGGGCGCATCAATGTTTACA ACGACCTGAACGACCCTGTAGTGAGGCCTTTGGGGTCAGAAAACCTGCTTCTCAGAGGAGCCACACTCAA AAACACAGAGAAGATCTTTGGTGTGGCTATCTACACAGGCATGGAGACCAAGATGGCCCTGAACTATCAA TCCAAGTCCCAAAAGAGATCTGCTGTGGAAAAGTCAATGAACACATTCCTGATCGTGTACCTCTGCATCC TGGTGAGCAAGGCCCTGATCAACACGGTGCTGAAGTACGTGTGGCAGAGTGAGCCCTTCCGAGATGAGCC ATGGTACAACGAGAAGACCGAATCCGAGCGCCAGAGGAATTTGTTCCTCAGGGCCTTCACCGACTTCCTG GCCTTCATGGTCCTCTTCAATTACATCATCCCCGTATCCATGTACGTCACCGTGGAGATGCAGAAGTTCC TCGGCTCCTACTTCATCACCTGGGATGAGGACATGTTTGATGAGGAAATGGGGGAAGGGCCTCTGGTCAA CACATCTGATCTGAATGAGGAGTTGGGACAGGTGGAATACATCTTCACTGACAAGACCGGCACGCTTACA GAGAACAACATGGCCTTCAAGGAGTGCTGCATCGAGGGCCATGTCTACGTACCCCATGTCATCTGCAATG GGCAGGTCCTTCCCGACTCTTCTGGCATTGACATGATCGATTCTTCCCCCGGAGTCTGTGGAAGGGAACG GGAGGAGCTGTTTTTCAGGGCCATCTGCCTGTGCCACACTGTCCAAGTGAAAGATGACCATTGTGGGGAT GATGTCGATGGTCCCCAGAAATCTCCAGATGCAAAATCCTGTGTGTACATATCGTCCTCGCCTGATGAGG

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CCCAGGCCTTCCTCACAAGGCAAGGTATGGGTGCTGTAGGTCCAGCCTGGAGATGCCCACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_015804

Insert Size: 3564 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_015804.3, NP_056619.1
RefSeq Size:	7443 bp
RefSeq ORF:	3564 bp
Locus ID:	50770
UniProt ID:	P98197
Cytogenetics:	8 A1.1
Gene Summary:	Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.