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Product datasheet for MC223871

Atp8b5 (NM_177195) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp8b5 (NM_177195) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp8b5
Synonyms:	4930417M19Rik; Feta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223871 representing NM_177195 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAATACGTAAAAGCTTTTGTTTCAGAGATTTCATGGGATTGTAGCTGGTACTGCTCTGCAATGCAAG AGAGGAGGAATGAAGACAGACAGAAGGAAGAAGAGGAAAGGATTTTGCAGGCCAACAATAGAAGGTTCAA CTCTCTTTTTGAGTATCCGGACAATTCCATCAAGACATCAAAGTATGGTTTCTTTAACTTCCTGCCCATG AACCTGTTTGAACAGTTCCAGAGACTTGCAAATGCCTATTTCCTCATTTTGCTCTTCCTACAGTTGGTCC CGCAGATCTCCTCCCTGGCCTGGTACACGACCGTGATACCCCTGATTGTGGTGCTATCCATAACTGGAGT GAAAGACGCCATCGATGACGTGAAAAGACACCGAAGTGACCAGCAGATCAACAACCGCTCTGTTTCAATC CTGGTGAACGGCAGGGTTGAGGAGATCAAGTGGAGGAATGTCCAAGTGGGGGACATAATTAAGCTGGAGA ATAACCATCCTGTTACCGCAGACATGCTGTTGCTCTCTAGCAGTGAGCCGTACGGCCTGACATACATTGA AACAGCAGACCTGGACGGTGAAACCAACCTGAAAGTGAAGCAAGCCATCTCCGTCACCAGTGCCATGGAG GACAACCTGGAGCTGCTGTCCTCCTTTAATGGAGAAGTTAGGTGTGATCCTCCTAATAACAAGCTGGACA AGTTTTCTGGAACCCTGAGCTACCTGGGGAACACCTACTTACTGAACCATGAAAGGCTACTGCTCCGAGG CTGCGTCATCCGGAACACAGACTGGTGCTACGGTTTGGTCGTTTACACTGGGCAAGACACCAAATTAATG CAGAACAGTGGACGGTCCACCTTCAAACGAACACATATAGATCATCTCATGAATGTCCTTGTGGTCTGGA TTTTCATGTTTTTAGGTGGAATGTGTTTTCTGCTGTCGATTGGACATGGCATCTGGGAGAACAGCAGAGG CTACTATTTCCAGGCCTTTCTCCCATGGAAACATTATATTACCTCATCGGCTACGAGTTCTGCCCTCATT TTCTGGTCCTACTTCATAGTGCTCAACACCATGGTACCCATTTCCCTCTATGTCAGTGTGGAAATAATAA GACTGGGCAACAGTTACTACATCAACTGGGATCGAAAGATGTTTTACGCCCCAAAGAACATGCCAGCGCA GGCTCGCACCACCACTCTTAATGAGGAGCTGGGCCAAGTCCAATACGTGTTCTCTGACAAAACAGGAACC CTGACTGAGAATGTGATGATTTTCAACAAATGTTCTATCAACGGGAAGACCTATGGTTATTCCTACGACG ACAATGGAGAGTATGTGCCAAAATCTCCAAAAGACAAGGTGGACTTCTCTTACAACCACCTGGCTGACCC TAAGTTTTCCTTCTATGACAAGACCTTGGTGGAAGCGGTGAAGAGTGAAGACCCGCTGGTCTACCTGTTC TTCCTCTGTCTCTCGCTGTGCCACACGGTGATGTCAGAGGAGAAGGTGGAAGGTGAGCTGGTGTACCAGG

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CTCAGTCACCAGATGAAGGTGCCCTGGTTACGGCTACTAGGAACTTTGGCTTTGTGTTCTGCTCCCGCAC
ACCTGAGACTATCACAGTGATCGAAATGGGGAAAATCCGAGTTTACCGCCTACTGGCTATCTTGGACTTC
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AGCGCAATGATGGGAAGGACATCTCCGACTTCCAGTCCTTCTCCCTGCTAGTGCAGACGACTCTGATTGG
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AGCCTGGGGCTCTACTTCTGCATCCTAATCTTACTGTGTAGTGATGGCCTGTGTCTCAGGTACCCCAGCA
TCTTCAATTTCCTAGGTGTGGCCAGGAACAGCCTTAGCCAGCCACAGATCTGGCTGTGTCTCATCCTCAG
CACCATCCTCTGCATGATTCCTCTGATTGGATACAACTTTCTCAGACCACTCCTCTGGCCCATCAACGCT
GACAAGGTTCTGAACAGGATCCATTTTTGCTTGAAACATCCAATACCAACCCAAGTCCAGACCAAAATAA
AACACCCAAGCCTTCGACGTTCTGCCTACGCGTTCTCCCACAAACAGGGCTTTGGGGCCCTCATCACGTC
TGGCAAGACGCTGAAATCCAGTGCCTTGGCAAAAAGCAAGAGGTTCTTGTAA

ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI

ACCN: NM_177195

Insert Size: 3552 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

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_177195.3, NP_796169.2
RefSeq Size:	4474 bp
RefSeq ORF:	3552 bp
Locus ID:	320571
UniProt ID:	A3FIN4
Cytogenetics:	4 A5
Gene Summary:	P4-ATPase flippase 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. May play a role in phospholid transport across membranes and in acrosome formation. [UniProtKB/Swiss-Prot Function]