

Product datasheet for MC224523

Atp10d (NM_153389) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp10d (NM_153389) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp10d
Synonyms:	9830145H18Rik; ATPVD; D5Buc24e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224523 representing NM_153389 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAAATGGCTGGCTTGAAGCGTAACCTCTCCCGCCCTTTGGATCTCTGCTCCGTTCTCTTTGGCA
CTTTGGGATCCGAGGTAACACCATGCTGGGATGAGCGGCCCGGGAGGGACAGATCGCCTGAGCCAGCCGG
GTCTCCCTGCGTCTTGGGCATGACTGAGCTGCTGCAGTGGCCAGACATCACTGGCGTCGGCTGAGCCAT
GGGAGAGCCCAGGGTGAAGATGAGAGGCCATACTACGCTCCCTGCTGGCCTGTGGGGCAAGTCTCT
CGAGGACCCCCAGACCTGCAGGAAAGCACCAGCTCGTTATTCCCCACCTTCAGTGCTTCAAAGATGAGTA
CGAAAGGTTTTCTGGAACCTACGTGAATAACCGGATACGGACGACCAAGTACACACTCCTGAACTTTGTG
CCAAGAACTTATTTGAACAGTTTACAGGGCTGCCAATTTATATTTCTGTTTCTCGTGGTCTGAACT
GGGTGCCCTTTGGTAGAAGCCTTCCAAAAGGAAATCACCATGCTGCCTCTGGTGGTGGTCCACAAATTA
TGCAATTAAGATGGCTTGAAGACTACCGAAATACAAAATCGACAAGCAGATCAACAACCTTAATAACC
AAAGTTTACAGTAGGAAAGAAAAAAGTACATTGACTGTTGCTGGAAAAATGTACCCTCGGGGACTTCA
TCCGCTGTCTGCAATGAGATCATCCCTGCAGACATGGTCTTACTCTTTCCACAGACCCAGATGGCAT
CTGCCACATTGAGACTTCCGGCCTTGATGGAGAGAGCAATTTAAAGCAGAGGCAGGTGGTGGTGGCTAC
ACAGAGCAGGACTCTGAGGTTGATCCGGAGAAGTTCTCCAGCAGGATAGAATGTGAAAGTCCAAACAATG
ACCTCAGCCGATTCCGAGGCTTCTGGAACATGCCAATAAAGAACGTGTGGGCCTCAGCAAAGAGAAATTT
ATTGCTCCGCGGGTGCACCATCAGAAACACAGAGGCTGTGGTGGGCATTGTGGTCTATGCAGGTCATGAA
ACCAAAGCAATGCTGAACAACAGTGGGCCACGGTATAAGCGCAGTAAGTTAGAGAGAAGAGCAAACCCG
ACGTCCTCTGGTGTGCTCTGCTTCTGATTGTGCTTAAGTGGTGCCTGGTGCAGGCATATGGCT
GAGCAGGATGAGAACATGCTCTTTTTAACATCCCTGAGCCGGATGGACGTGTCATCTCACCCGTGCTG
ACTGGATTCTATGTGTTCTGGACCATGATCATCTTGTGCTGAGGTCCTGATCCCCATTTCTCTATGTGT
CCATTGAGATCGTGAAGCTTGGGCAGATCTATTTTCATCCAGAGCGATGTAGATTTCTACAACGAGAAAA
GGATTCTACCATTCAGTCCGAGCCCTGAACATCACTGAGGACCTTGGGCAGATTCAATACCTCTTTTCT
GATAAGACAGGAACCTCACTGAGAATAAGATGGTGTTCGGAGGTGCAGTGTAGCAGGGTTTGACTACT



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GTCATGAAGAAAACGCCAAGAGGCTCGAGTCTATCAGGAAGCTGTCTCTGAAGAGGAGGAATGCACAGA
 CACTCTCGGCGGCTCCCTCAGCAACATGGCGAGACCCAGAGCCCAGGGCTGCAGGACAGTCCCAGTGGG
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 AAGTGCCTCATTCCAGACAGGCCGCTTACAGTAGTCCCATGGAACAGACGTGGTACCAGATACCAGACT
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 GCACTTTACAGTCTCGGACCCAGAGCAGGTATGGTGGACTTTGCTGCTTTGGGCTCATTAAACATTTCA
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 ATGGAACAAATCCAGAACAACAGATGATAATAAGGGAGAGAACCGCAGAGGCACCTGGACGAGTATGCCAA
 ACGAGGGCTGCGCACTCTATGTGTAGCAAAGAAGGTCATGAGTGACACGGAAATATGCAGAGTGGCTGAGG
 AATCACTTTCTAGCTGAAACCAGCATTGACAACAGGGAGGAACTGCTAGTTGAATCTGCCATGAGACTAG
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 AGAAGCCCTTACCAAGCTGGCATCAAGATCTGGATGCTGACAGGGGACAAGCAGGAGACAGCTGTCAAC
 ATAGCTTATGCATGCAAACTCCTGGAGCCAGATGACAAGCTTTCATCCTCAATACACAGAGTCAAGATG
 CCTGTGGGATGCTGATGAGTGAATTTTGAAGAAGTTCAGAAGAGAGCTCAAGTGTCTCCGGAGCTGCC
 ATCATCAAGAAAAGAACTTCTCAGCCCTCTGACGCTCAGGGCCAGGGACGTGCGGGACTTGTATCAGC
 GGAAGACCCCTGGAGTTTGCCTTGCAAGGAGAGTCTGCAAAAGGCAGTTCCTTGAGCTGACCCGCTGGTGC
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 TCTATGACAGACTACTGGGTGCTGATCTTCTTCAACCTCTCTTACATCTGTACCCCCATCATTTATG
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 CGGCGGCTCTGTTTCATCATTCTCCTCCACCTGGTATTGAAAGCAAGAGTTTGACTTGGATCCACATGCT
 GGTACGGTTGGGAGCATCTTGTCTACTTTTTCTTTCCTTGGCTTTGGGAGCCTTATGTGCACTTGC
 AACCCACCCTCCAACCCCTACGGGATCATGCGGAAGCACATGCTGGACCCTGTGTCTACTTGGTTTGTG
 TACTTACAACCTTCGTCGCGCTCCTGCCAGGTTTCTTTACCGAGTCTTTCAGGGATCCGTGTTCCATC
 TCCAGTTCTCAGAGCCAAGTACTTTGACAGACTACCTCCAGAGGAGAGAGCTGAAGCTCTCAAGAGGTGG
 AGAGGGACAGCAAAGGTCAATCACGTGGCATCTAAGCATGCCAGCCAATCAGCTGCTATGTGAGGAAGAC
 CAACACCTGGGTCTTCTGCTGTCTTGAATGAAGTCAAGTCAAGTGTCTACTGTTGAGCAGACACAGC
 TGAGACTGCGCTAGACCGTGGCTGCTCTGAACCTGGGGCCTCCAAGATGACTGGATCCTCAGCAAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_153389
Insert Size: 4410 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:	<ol style="list-style-type: none">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:	<u>NM_153389.3</u> , <u>NP_700438.3</u>
RefSeq Size:	6021 bp
RefSeq ORF:	4410 bp
Locus ID:	231287
UniProt ID:	<u>Q8K2X1</u>
Cytogenetics:	5 C3.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1, coding) represents the protein-coding transcript. Sequence Note: This RefSeq record was created to represent the transcript and the full-length, functional protein that is expressed in several strains. It does not contain a nonsense mutation that truncates the CDS in the strain of the reference genome, C57BL/6J.</p>