

## Product datasheet for MR211756

### Atp11b (NM\_029570) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atp11b (NM_029570) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atp11b
Synonyms:	1110019I14Rik; ATPIF; ATPIR; mKIAA0956
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211756 representing NM_029570 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCGCTGGGTCCGGCAGCAGCTGGGTTTTGACCCACCACATCAAAGTGACACAAGAACTATTTACA  
TAGCCAACAGGTTTCCTCAGAATGGCCTTTACACACCTCAGAAATTTATAGATAACCGGATCATTTCATC  
TAAGTATACTATATGGAATTTTGTCCAAAAATTTATTTGAACAGTTCAGAAGAGTGGCAAACCTTTTAT  
TTTCTTATTATTTTTGGTTCAGCTTATGATTGATACACCTACCAGTCCAATTACCAGTGGACTCCAT  
TATTCTTTGTGATAACAGTAACTGCCATAAAACAGGGTTATGAAGACTGGTTACGCCATAACTCAGATAA  
TGAAGTAAACGGAGCTCCTGTCTATGTTGTCAGAAGTGGGGGGCTGTAAAAACTCGATCCAAAAACATT  
CGGGTGGGTGATATTGTTTCGTATAGCCAAAGATGAAATTTTCTGCAGATTTGGTGCTTCTGTCCTCAG  
ATCGACTTGATGGTTCATGTCTGTGACAACTGCTAGTTTGGATGGAGAGACAAACCTAAAGACACATGT  
GTCAGTTCAGAAACAGCAGTATTACAACAGTTGCCAATTGGACAGTCTCATAGCTGTAATAGAATGC  
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TGTGGCTGTATACACTGGAATGGAACCTAAGATGGCACTAAATTAACAAGCAAGTACAGAAAAGATCT  
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CACTTCTTAGAACCAGTCTGAAAGTAAACTGAGCTAATCAAGAACACGATCTGTTCTTTAAAGCA



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GTCAGTCTTTGCCATACTGTACAGATCAGCAATGTTCAAACCTGACGGCATCGGGGATGGTCCCTGGCAGC  
CCAACCTGGCACCTGCACAGCTGGAGTACTATGCATCTTCACCAGATGAAAAGGCTCTGGTGAAGCTGC  
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CCATACTCCTCATGGTTGTACATGTCTATTGATGTTGTGAAGAAAGTGGTTGATCGACAGCTTCA  
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CTCGCCAATGGACTCATCTACTTGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR211756 representing NM\_029570  
Red=Cloning site Green=Tags(s)

MWRWVRQQLGFDPPHQSDTRTIYIANRFPQNGLYTPQKFIDNRIISSKYTIWNFVPKNLF EQFRRVANFY  
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 FIIPISLYVTVMQKFLGSFFIGWDLDLYEESDQKAQVNTSDLNEELGQVEYVFTDKTGLTENEMQFR  
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 YRQFTAKEYEDVDRRLF EARTALQHREEKLADAFQYIEKDLILLGATAVEDRLQDKVREIEALRMAGIK  
 VWVLTDGKHETAVSVSLSCGHFHRMTNILELINQKSDSGCAEQLRQLARRITEDHVIQHGLVVDGTSLSL  
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 EGRQAARNSDYA IARFKFLSKLLFVHGHFYIRIATLVQYFFYKNCVCFITPQFLYQFYCLFSQQTLYDSV  
 YLTLYNICFTSLPVL IYSLVEQHIDPHVLQSKPTLYRDISKNGLLSIKAFLYWTVLGFSAHAIFFFGSYF  
 LVGKDTSLGNGQMFGNWF GTLVFTVMVITVTVKMALETHFWTWINHLVTWGSIIFFYIFSLFYGGILW  
 PFLG SQNMYFVFIQLSSGSAWFAILLMVVTCLFIDVVKVDFDRQLHPTSTEAQLAEAHSSVKCLDSVC  
 CFPGETPCASVGRMLERVIGRCSPNHISRLWNASDPFYTNDRSILTLSPMDSSTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9027\\_b10.zip](https://cdn.origene.com/chromatograms/mm9027_b10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

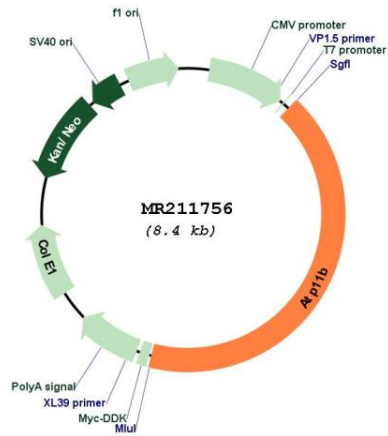


**ACCN:** NM\_029570

**ORF Size:** 3525 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_029570.4</a>
<b>RefSeq Size:</b>	4883 bp
<b>RefSeq ORF:</b>	3528 bp
<b>Locus ID:</b>	76295
<b>UniProt ID:</b>	<a href="#">Q6DFW5</a>
<b>Cytogenetics:</b>	3 B
<b>MW:</b>	134 kDa
<b>Gene Summary:</b>	Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids, phosphatidylserines (PS) and phosphatidylethanolamines (PE), from the outer to the inner leaflet of intracellular membranes. May contribute to the maintenance of membrane lipid asymmetry in endosome compartment.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211756