

## Product datasheet for RN211819

### Atp1b1 (NM\_013113) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atp1b1 (NM_013113) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp1b1
Synonyms:	ATPBS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211819 representing NM_013113 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGGCCCGCGGAAAAGCCAAGGAGGAAGGCAGCTGGAAGAAATTCATCTGGAACCGGAGAAGAAGGAGT  
TTTTGGGCAGGACCGGTGGTAGTTGGTTAAGATCCTTCTGTTCTACGTGATATTCTATGGCTGCCTGCC  
CGGCATCTTCATCGGGACCATCCAAGTGATGCTGCTTACCATCAGTGAGCTGAAACCCACGTACCAGGAC  
CGTGTGGCCCGCCAGGATTGACACAGATTCCTCAGATCCAAAAGACTGAAATTTCTTCGTCCTAATG  
ACCCCAAGAGCTACGAGGCCTATGTGCTAACATCATCAGGTTCCCTGGAAAAGTACAAAGATTTCGGCCCA  
GAAGGACGACATGATTTTCGAGGATTGTGGCAGTATGCCAGTGAACCAAGGAGCGGGGAGAGTTCAAT  
CATGAACGAGGAGAGCGCAAGGTGTGCAGGTTCAAGCTTGACTGGCTGGGAACTGCTCTGGTCTCAATG  
ATGAATCCTACGGCTACAAAGAGGGGAAGCCCTGTATCATTATCAAGCTCAACCGAGTGTGGGCTTCAA  
ACCTAAGCCTCCAAGAATGAATCCTTGGAGACTTACCCTCTGACGATGAAGTATAATCCAACGTCCTA  
CCTGTCCAGTGCCTGGCAAGCGCATGAGGATAAGGATAAAGTTGAAACATAGAGTACTTTGGGATGG  
GCGGATTCTATGGCTTTCCTCTGCAGTACTATCCCTACTACGGCAAACCTCCTGCAGCCCAAGTACCTGCA  
GCCCTGTGGCGTGCAGTTCACCAACCTCACCTTGGACACTGAAATCCGCATTGAGTGTAAAGCGTAT  
GGTGAGAACATTGGGTACAGTGAGAAAGACCGTTTTTCAGGGACGCTTTGATGTAATAAATTGAAGTTAAGA  
GCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013113
Insert Size:	915 bp



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<b>OTI Disclaimer:</b>	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).
<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_013113.2</a> , <a href="#">NP_037245.2</a>
<b>RefSeq Size:</b>	2228 bp
<b>RefSeq ORF:</b>	915 bp
<b>Locus ID:</b>	25650
<b>UniProt ID:</b>	<a href="#">P07340</a>
<b>Cytogenetics:</b>	13q23
<b>Gene Summary:</b>	may regulate oxygen homeostasis in astrocytes; may play a role in cellular resistance to cardiac glycosides [RGD, Feb 2006]