

Product datasheet for **RR211819**

Atp1b1 (NM_013113) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp1b1 (NM_013113) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp1b1
Synonyms: ATPBS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211819 representing NM_013113
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCGCGGAAAAGCCAAGGAGGAAGGCAGCTGGAAGAAATTCATCTGGAACCGGAGAAGAAGGAGT
TTTTGGGCAGGACCGGTGGTAGTTGGTTAAGATCCTTCTGTTCTACGTGATATTCTATGGCTGCCTGGC
CGGCATCTTCATCGGGACCATCCAAGTGATGCTGCTTACCATCAGTGAGCTGAAACCCACGTACCAGGAC
CGTGTGGCCCCGCCAGGATTGACACAGATTCCTCAGATCCAAAAGACTGAAATTTCTTCCGTCCTAATG
ACCCCAAGAGCTACGAGGCCTATGTGCTAACATCATCAGGTTCCCTGGAAAAGTACAAAGATTCCGGCCCA
GAAGGACGACATGATTTTCGAGGATTGTGGCAGTATGCCAGTGAACCCAAGGAGCGGGGAGAGTTCAAT
CATGAACGAGGAGAGCGCAAGGTGTGCAGGTTCAAGCTTGACTGGCTGGGAACTGCTCTGGTCTCAATG
ATGAATCTACGGCTACAAAGAGGGGAAGCCCTGTATCATTATCAAGCTCAACCGAGTGTGGGCTTCAA
ACCTAAGCCTCCCAAGAATGAATCCTTGGAGACTTACCCTCTGACGATGAAGTATAATCCAAACGTCCTA
CCTGTCCAGTGCAGTGGCAAGCGCATGAGGATAAAGTAAAGTTGAAACATAGAGTACTTTGGGATGG
GCGGATTCTATGGCTTTCTCTGCAGTACTATCCCTACTACGGCAAACCTCTGCAGCCAAAGTACCTGCA
GCCCTGTGGCCGTGCAGTTCACCAACCTCACCTTGGACACTGAAATCCGCATTGAGTGAAGGCGTAT
GGTGAGAACATTGGGTACAGTGAGAAAGACCGTTTTTCAGGGACGCTTTGATGTAATAAATTGAAGTTAAGA
GC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_013113.2 , NP_037245.2
RefSeq Size:	2228 bp
RefSeq ORF:	915 bp
Locus ID:	25650
UniProt ID:	P07340
Cytogenetics:	13q23
MW:	35.2 kDa
Gene Summary:	may regulate oxygen homeostasis in astrocytes; may play a role in cellular resistance to cardiac glycosides [RGD, Feb 2006]