

OriGene Technologies, Inc.

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Product datasheet for RC200500L1V

beta 1 Sodium Potassium ATPase (ATP1B1) (NM_001677) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Name:beta 1 Sodium Potassium ATPase (ATP1B1) (NM_001677) Human Tagged ORF Clone Lentiviral ParticleSymbol:ATP1B1Synonyms:ATP1BMammalian Cell Selection:NoneVector:pLenti-C-Myc-DDK (PS100064)Tag:My_ODFXACCN:ON9 bpORF Size:09 bpORF Nucleotide Sequence:The oRF insert of this clone is exactly the same as (RC200500).ORF Nucleotide Sequence: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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq:NM_001677.3RefSeq ORF:912 bpLocus ID:481UniProt ID:PO5026	Product Type:	Lentiviral Particles
Synonyms:ATP1BMammalian Cell Selection:NoneVector:pLenti-C-Myc-DDK (PS100064)Tag:Myc-DDKACCN:NM_001677ORF Size:909 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC200500).Sequence: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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq Size:2212 bpRefSeq ORF:912 bpLocus ID:481	Product Name:	
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Selection:Vector:pLenti-C-Myc-DDK (PS10064)Tag:Myc-DDKACCN:NM_001677ORF Size:90 bpCRF SuccessThe ORF insert of this clone is exactly the same as(RC200500).Publications:Nhenolecular sequence of this clone aligns with the gene accession number as a point of efference only. However, individual transcript sequences of the same gene can differ through availably 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 infoOTI Annotation:Nis clone was engineered to express the complete ORF with an expression tag. Expression variants is recommended prior to use. More infoRefseq Size:212 bpRefseq ORF:912 bpJocus ID:481	Synonyms:	ATP1B
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RefSeq Size: 2212 bp RefSeq ORF: 912 bp Locus ID: 481	OTI Annotation:	
RefSeq ORF: 912 bp Locus ID: 481	RefSeq:	<u>NM 001677.3</u>
Locus ID: 481	RefSeq Size:	2212 bp
	RefSeq ORF:	912 bp
UniProt ID: <u>P05026</u>	Locus ID:	481
	UniProt ID:	<u>P05026</u>
Cytogenetics: 1q24.2	Cytogenetics:	1q24.2
Domains: Na_K-ATPase	Domains:	Na_K-ATPase



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Protein Families:	Transmembrane
Protein Pathways:	Cardiac muscle contraction
MW:	35.1 kDa
Gene Summary:	The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 1 subunit. Alternatively spliced transcript variants encoding different isoforms have been described, but their biological validity is not known. [provided by RefSeq, Mar 2010]