

Product datasheet for **RC227725L4V**

ATP1B4 (NM_001142447) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ATP1B4 (NM_001142447) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ATP1B4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001142447
ORF Size:	1071 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227725).
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.
RefSeq:	NM_001142447.2
RefSeq Size:	4773 bp
RefSeq ORF:	1074 bp
Locus ID:	23439
UniProt ID:	Q9UN42
Cytogenetics:	Xq24
Protein Families:	Transmembrane
Protein Pathways:	Cardiac muscle contraction
MW:	41.6 kDa



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Gene Summary:

This gene has been found in all vertebrate genomes sequenced to date. However, this gene has undergone a change in function in placental mammals compared to other species. Specifically, in fish, avian, and amphibian species, this gene encodes plasma membrane-bound beta-subunits of Na,K-ATPase. In placental mammals, the encoded protein interacts with the nuclear transcriptional coregulator SKIP and may be involved in the regulation of TGF-beta signaling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]