

## Product datasheet for **RC211772L4V**

### ATP4A (NM\_000704) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ATP4A (NM_000704) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ATP4A
Synonyms:	ATP6A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000704
ORF Size:	3114 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211772).
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. <a href="#">More info</a>
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:	<a href="#">NM_000704.2</a> , <a href="#">NP_000695.2</a>
RefSeq Size:	3582 bp
RefSeq ORF:	3108 bp
Locus ID:	495
UniProt ID:	<a href="#">P20648</a>
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Oxidative phosphorylation



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**MW:** 113.9 kDa

**Gene Summary:** The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H<sup>+</sup>, K<sup>+</sup>-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes a catalytic alpha subunit of the gastric H<sup>+</sup>, K<sup>+</sup>-ATPase. [provided by RefSeq, Jul 2008]