

Product datasheet for **MR207392L4V**

Atp6ap1 (NM_018794) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atp6ap1 (NM_018794) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atp6ap1
Synonyms:	16A; AC45; AI316502; Atp6ip1; Atp6s1; AW108110; C7-1; CF2; mFLJ00383; VATPS1; XAP-3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018794
ORF Size:	1392 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207392).
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_018794.4 , NP_061264.1
RefSeq Size:	2189 bp
RefSeq ORF:	1392 bp
Locus ID:	54411
UniProt ID:	Q9R1Q9
Cytogenetics:	X 37.96 cM



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Gene Summary:

Accessory subunit of the proton-transporting vacuolar (V)-ATPase protein pump, which is required for luminal acidification of secretory vesicles. Guides the V-type ATPase into specialized subcellular compartments, such as neuroendocrine regulated secretory vesicles or the ruffled border of the osteoclast, thereby regulating its activity. Involved in membrane trafficking and Ca(2+)-dependent membrane fusion. May play a role in the assembly of the V-type ATPase complex. In aerobic conditions, involved in intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation (By similarity).[UniProtKB/Swiss-Prot Function]