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Product datasheet for MR209449L3V

Atp6v1a (NM_007508) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atp6v1a (NM_007508) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atp6v1a
Synonyms:	AI647066; Atp6a1; Atp6a2; Atp6v1a1; VA68; VPP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007508
ORF Size:	1851 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209449).
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_007508.4
RefSeq Size:	3947 bp
RefSeq ORF:	1854 bp
Locus ID:	11964
UniProt ID:	P50516
Cytogenetics:	16 B4

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Gene Summary: Catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. 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. May play a role in neurite development and synaptic connectivity.[UniProtKB/Swiss-Prot Function]