

Product datasheet for **MR200546L4V**

Atp6v1g1 (NM_024173) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atp6v1g1 (NM_024173) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atp6v1g1
Synonyms:	1810024D14Rik; AA960677; Atp6g1; ATP6J; VAG1; Vma10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024173
ORF Size:	357 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200546).
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_024173.1 , NP_077135.1
RefSeq Size:	1109 bp
RefSeq ORF:	357 bp
Locus ID:	66290
UniProt ID:	Q9CR51
Cytogenetics:	4 B3



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Gene Summary:

Catalytic subunit of the peripheral V1 complex of vacuolar ATPase (V-ATPase). V-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 (By similarity).[UniProtKB/Swiss-Prot Function]