

## Product datasheet for **MR200378L4V**

### **Atpif1 (NM\_007512) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Atpif1 (NM_007512) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atpif1
Synonyms:	ATP5IF1; Atpi; If; IF(1); If1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007512
ORF Size:	321 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200378).
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_007512.2</a>
RefSeq Size:	552 bp
RefSeq ORF:	321 bp
Locus ID:	11983
UniProt ID:	<a href="#">O35143</a>
Cytogenetics:	4 D2.3



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**Gene Summary:**

This gene encodes a member of the ATPase inhibitor family of proteins. This protein has been shown to negatively regulate the ATP hydrolysis activity of the F1Fo-ATPase. Knockdown of this gene is associated with reduced heme synthesis in differentiating erythroid cells. Misregulation of this gene has been found to lead to increased aerobic glycolysis in mouse cancer cells, while high expression levels of this gene have been correlated with gastric and liver cancer severity in human patients. A pseudogene of this gene has been identified. [provided by RefSeq, Apr 2015]