

Product datasheet for **RC215565L4V**

ATP5I (ATP5ME) (NM_007100) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ATP5I (ATP5ME) (NM_007100) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ATP5ME
Synonyms:	ATP5I; ATP5K
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007100
ORF Size:	207 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215565).
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_007100.2
RefSeq Size:	373 bp
RefSeq ORF:	210 bp
Locus ID:	521
UniProt ID:	P56385
Cytogenetics:	4p16.3
Protein Pathways:	Metabolic pathways, Oxidative phosphorylation
MW:	7.9 kDa



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Gene Summary:

Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F₁, and the membrane-spanning component, F_o, which comprises the proton channel. The F₁ complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The F_o seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the e subunit of the F_o complex. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]