

Product datasheet for **MR216250L3V**

Atp2a3 (NM_001163337) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atp2a3 (NM_001163337) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atp2a3
Synonyms:	Serca3; SERCA3b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001163337
ORF Size:	3078 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216250).
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_001163337.1 , NP_001156809.1
RefSeq Size:	4606 bp
RefSeq ORF:	3081 bp
Locus ID:	53313
UniProt ID:	Q64518
Cytogenetics:	11 B4



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Gene Summary:

This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium. Transports calcium ions from the cytosol into the sarcoplasmic/endoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction.[UniProtKB/Swiss-Prot Function]