

Product datasheet for **RR202618L4V**

Letm1 (NM_001005884) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Letm1 (NM_001005884) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Letm1
Synonyms:	MGC94466
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001005884
ORF Size:	2217 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR202618).
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_001005884.1 , NP_001005884.1
RefSeq Size:	2589 bp
RefSeq ORF:	2220 bp
Locus ID:	305457
UniProt ID:	Q5XIN6
Cytogenetics:	14q21



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Gene Summary:

Mitochondrial proton/calcium antiporter that mediates proton-dependent calcium efflux from mitochondrion (By similarity). Crucial for the maintenance of mitochondrial tubular networks and for the assembly of the supercomplexes of the respiratory chain (By similarity). Required for the maintenance of the tubular shape and cristae organization (By similarity). In contrast to SLC8B1/NCLX, does not constitute the major factor for mitochondrial calcium extrusion (By similarity).[UniProtKB/Swiss-Prot Function]