

Product datasheet for **MR222448L4V**

Lonp2 (NM_025827) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lonp2 (NM_025827) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lonp2
Synonyms:	1300002A08Rik; AU015403; Lonp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025827
ORF Size:	2556 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222448).
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_025827.3 , NP_080103.1
RefSeq Size:	2936 bp
RefSeq ORF:	2559 bp
Locus ID:	66887
UniProt ID:	Q9DBN5
Cytogenetics:	8 C3



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Gene Summary:

ATP-dependent serine protease that mediates the selective degradation of misfolded and unassembled polypeptides in the peroxisomal matrix. Necessary for type 2 peroxisome targeting signal (PTS2)-containing protein processing and facilitates peroxisome matrix protein import. May indirectly regulate peroxisomal fatty acid beta-oxidation through degradation of the self-processed forms of TYSND1.[UniProtKB/Swiss-Prot Function]