

Product datasheet for **RR209024L4V**

Psm2 (NM_001031639) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Psm2 (NM_001031639) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Psm2
Synonyms:	MGC116280
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001031639
ORF Size:	2724 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR209024).
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_001031639.1 , NP_001026809.1
RefSeq Size:	2920 bp
RefSeq ORF:	2727 bp
Locus ID:	287984
UniProt ID:	Q4FZT9
Cytogenetics:	11q23



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Gene Summary:

Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair.[UniProtKB/Swiss-Prot Function]