

Product datasheet for **RC209988L1V**

MPS1 (RPS27) (NM_001030) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MPS1 (RPS27) (NM_001030) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MPS1
Synonyms:	DBA17; MPS-1; MPS1; S27
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001030
ORF Size:	252 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209988).
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_001030.4
RefSeq Size:	361 bp
RefSeq ORF:	255 bp
Locus ID:	6232
UniProt ID:	P42677
Cytogenetics:	1q21.3
Domains:	Ribosomal_S27e
Protein Pathways:	Ribosome



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MW: 9.5 kDa

Gene Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of four RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the S27e family of ribosomal proteins and component of the 40S subunit. The encoded protein contains a C4-type zinc finger domain that can bind to zinc and may bind to nucleic acid. Mutations in this gene have been identified in numerous melanoma patients and in at least one patient with Diamond-Blackfan anemia (DBA). Elevated expression of this gene has been observed in various human cancers. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2018]