

Product datasheet for **RC209090L4V**

Phosphoserine phosphatase (PSPH) (NM_004577) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Phosphoserine phosphatase (PSPH) (NM_004577) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Phosphoserine phosphatase
Synonyms:	PSP; PSPHD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004577
ORF Size:	675 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209090).
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_004577.3
RefSeq Size:	2142 bp
RefSeq ORF:	678 bp
Locus ID:	5723
UniProt ID:	P78330
Cytogenetics:	7p11.2
Protein Families:	Druggable Genome, Phosphatase



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Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways

MW: 25 kDa

Gene Summary: The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome. [provided by RefSeq, Jul 2008]