

Product datasheet for **MR215480L3V**

Ptprh (NM_207270) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptprh (NM_207270) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptprh
Synonyms:	R-PTP-H; sap-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_207270
ORF Size:	2913 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215480).
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_207270.2 , NP_997153.2
RefSeq Size:	4020 bp
RefSeq ORF:	2916 bp
Locus ID:	545902
UniProt ID:	E9Q0N2
Cytogenetics:	7 A1



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Gene Summary:

Protein phosphatase that may contribute to contact inhibition of cell growth and motility by mediating the dephosphorylation of focal adhesion-associated substrates and thus negatively regulating integrin-promoted signaling processes. Induces apoptotic cell death by at least two distinct mechanisms: inhibition of cell survival signaling mediated by PI 3-kinase, Akt, and ILK and activation of a caspase-dependent proapoptotic pathway. Inhibits the basal activity of LCK and its activation in response to TCR stimulation and TCR-induced activation of MAP kinase and surface expression of CD69. Inhibits TCR-induced tyrosine phosphorylation of LAT and ZAP70. Inhibits both basal activity of DOK1 and its CD2-induced tyrosine phosphorylation. Induces dephosphorylation of BCAR1, focal adhesion kinase and SRC. Reduces migratory activity of Jurkat cells (By similarity). Reduces tyrosine phosphorylation of CEACAM20 and thereby contributes to suppress the intestinal immune response (PubMed:26195794).[UniProtKB/Swiss-Prot Function]