

Product datasheet for **MR210585L3V**

Ptpn12 (NM_011203) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptpn12 (NM_011203) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptpn12
Synonyms:	P19-PTP; PTP-P19; PTP-PEST; PTPG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011203
ORF Size:	2325 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210585).
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_011203.2
RefSeq Size:	3190 bp
RefSeq ORF:	2328 bp
Locus ID:	19248
UniProt ID:	P35831
Cytogenetics:	5 A3



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Gene Summary:

Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:17070019). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2. Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (By similarity).[UniProtKB/Swiss-Prot Function]