

## Product datasheet for **RC222045L3V**

### MPZL (MPZL1) (NM\_024569) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MPZL (MPZL1) (NM_024569) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MPZL1
Synonyms:	MPZL1b; PZR; PZR1b; PZRa; PZRb
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_024569
ORF Size:	627 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222045).
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. <a href="#">More info</a>
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:	<a href="#">NM_024569.4</a>
RefSeq Size:	4923 bp
RefSeq ORF:	630 bp
Locus ID:	9019
UniProt ID:	<a href="#">O95297</a>
Cytogenetics:	1q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)



[View online »](#)

**MW:** 22.8 kDa

**Gene Summary:** Cell surface receptor, which is involved in signal transduction processes. Recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. Is a major receptor for concanavalin-A (ConA) and is involved in cellular signaling induced by ConA, which probably includes Src family tyrosine-protein kinases. Isoform 3 seems to have a dominant negative role; it blocks tyrosine phosphorylation of MPZL1 induced by ConA. Isoform 1, but not isoform 2 and isoform 3, may be involved in regulation of integrin-mediated cell motility.[UniProtKB/Swiss-Prot Function]