

Product datasheet for RC222045L3V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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:

ACCN:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

NM 024569

Tag: Myc-DDK

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. 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: <u>NM 024569.4</u>

 RefSeq Size:
 4923 bp

 RefSeq ORF:
 630 bp

 Locus ID:
 9019

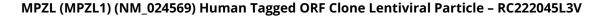
 UniProt ID:
 095297

 Cytogenetics:
 1q24.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)





ORIGENE

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]