

# Recombinant Human MPZL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MPZL1-2360H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

MPZL1 MS Standard C13 and N15-labeled recombinant protein (NP\_003944) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

29.1 kDa

### AA Sequence

MAASAGAGAVIAAPDSRRWLWSVLAAALGLLTAGVSALEVYTPKEIFVANGTQGKLT  
CKFKSTSTTGGLTSVSWSFQPEGADTTVSFFHYSQGQVYLGNYPPFKDRISWAGDL  
DKKDASINIENMQFIHNGTYICDVKNPPDIVVQPGHIRLYVVEKENLPVFPVWVVVIV  
TAVVLGLTLLISMILAVLYRRKNSKRDTGCGSTSESLSPVKQAPRKSPSDTEGLVKSL  
PSGSHQGPVIYAQLDHSGGHSDKINKSESVVYADIRKNTRTRPLEQKLISEEDLAA  
NDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

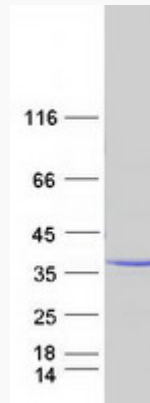
<b>Gene Name</b>	MPZL1 myelin protein zero-like 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MPZL1
<b>Synonyms</b>	MPZL1; myelin protein zero-like 1; myelin protein zero-like protein 1; FLJ21047; PZR; protein zero related; protein zero-related; immunoglobulin family transmembrane protein; PZRa; PZRb; PZR1b; MPZL1b;
<b>Gene ID</b>	9019
<b>mRNA Refseq</b>	NM_003953
<b>Protein Refseq</b>	NP_003944
<b>MIM</b>	604376
<b>UniProt ID</b>	O95297

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**SDS-PAGE**



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