

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 DKKDASINIENMQFIHNGTYICDVKNPPDIVVQPGHIRLYVVEKENLPVFPVWVVVGIV TAVVLGLTLLISMILAVLYRRKNSKRDTGCGSTSESLSPVKQAPRKSPSDTEGLVKSL PSGSHQGPVIYAQLDHSGGHSDKINKSESVVYADIRKNTRTRPLEQKLISEEDLAA NDILDYKDDDDKV

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

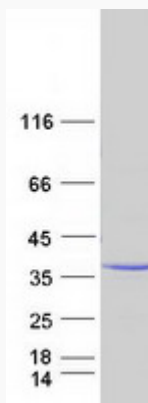
GENE INFORMATION

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

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SDS-PAGE

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