Recombinant Human MPZL1, His-tagged

Cat. No. MPZL1-15869H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MPZL1 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	38-162aa
Description	MPZL1 is a cell surface receptor, which is involved in signal transduction processes. This protein recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. It 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	16.1 kDa (148aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLEVYTPK EIFVANGTQG KLTCKFKSTS TTGGLTSVSW SFQPEGADTT VSFFHYSQGQ VYLGNYPPFK DRISWAGDLD KKDASINIEN MQFIHNGTYI CDVKNPPDIV VQPGHIRLYV VEKENLPV

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MPZL1 myelin protein zero-like 1 [Homo sapiens]
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; PZRa; PZRb; PZR1b; MPZL1b;
Gene ID	9019
mRNA Refseq	NM_024569
Protein Refseq	NP_078845
MIM	604376
UniProt ID	O95297
Chromosome Location	1q24.2

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Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;
Function	protein binding; structural molecule activity;

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