

Recombinant human MPZL1 protein

Catalog Number: ATGP2225

PRODUCT INFORMATION

Expression system

E.coli

Domain

38-162aa

UniProt No.

O95297

NCBI Accession No.

NP_078845

Alternative Names

Myelin protein zero-like protein 1 isoform b, MPZL1b, PZR, PZR1b, PZRa, PZRb

PRODUCT SPECIFICATION

Molecular Weight

16.1 kDa (148aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human MPZL1 protein, fused to His-tag at N-terminus, was expressed in E.

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coli and purified by using conventional chromatography techniques.

Amino acid Sequence

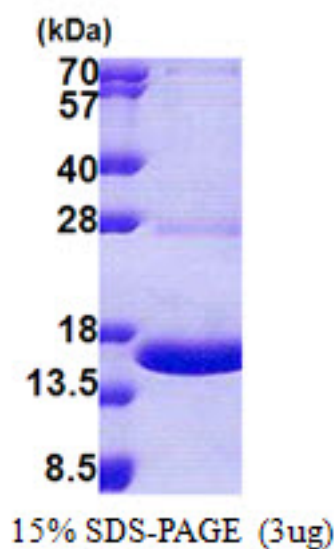
MGSSHHHHHHH SSGLVPRGSH MGSLEVYTPK EIFVANGTQG KLTKFKSTS TTGGLTSVSW SFQPEGADTT VSFFHYSQGQ
VYLGNYPPFK DRISWAGDLD KKDASINIEN MQFIHNGTYI CDVKNPPDIV VQPGHIRLYV VEKENLPV

General References

Zhao ZJ., et al. (1998). J Biol Chem 273 (45): 29367-72.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.