Datasheet for ABIN5853109

MPZL1 Protein (AA 38-162) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	MPZL1
Protein Characteristics:	AA 38-162
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPZL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLEVYTPK EIFVANGTQG KLTCKFKSTS TTGGLTSVSW SFQPEGADTT VSFFHYSQGQ VYLGNYPPFK DRISWAGDLD KKDASINIEN MQFIHNGTYI CDVKNPPDIV VQPGHIRLYV VEKENLPV
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	MPZL1
Alternative Name:	MPZL1 (MPZL1 Products)
Background:	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

Target Details

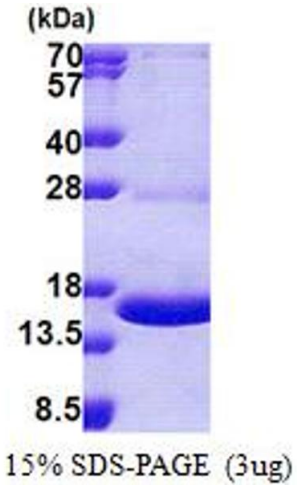
	signaling induced by ConA, which probably includes Src family tyrosine-protein kinases. Isoform 3 seems to have a dominant negative role, it blocks tyrosine phosphorylation of MPZL1 induced by ConA. Isoform 1, but not isoform 2 and isoform 3, may be involved in regulation of integrin-mediated cell motility. Recombinant human MPZL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	16.1 kDa (148aa), confirmed by MALDI-TOF
NCBI Accession:	NP_078845
UniProt:	O95297

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.