

Product datasheet for **AR51049PU-S**

MPZL1 (38-162, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MPZL1 (38-162, His-tag) human protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLEVYTPK EIFVANGTQG KLTCFKSTS TTGGLTSVSW SFQPEGADTT VSFFHYSQGQ VYLGNYPPFK DRISWAGDLD KKDASINIEN MQFIHNGTYI CDVKNPPDIV VQPGHIRLYV VEKENLPV
Tag:	His-tag
Predicted MW:	16.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001139663
Locus ID:	9019
UniProt ID:	O95297
Cytogenetics:	1q24.2
Synonyms:	PZR, UNQ849/PRO1787, Myelin protein zero-like protein 1, Protein zero-related



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Summary:

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.[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Cell adhesion molecules (CAMs)

Product images: