
Product Data Sheet

Product Name: MPZL1 Human
 Cat. No.: GP23946
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myelin Protein Zero-Like 1; PZR _a ; PZR; Protein Zero-Related; PZR _b ; Immunoglobulin Family Transmembrane Protein; Myelin Protein Zero-Like Protein 1; MPZL1 _b ; Protein Zero Related; PZR1 _b .		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSLEVYTPK EIFVANGTQG KLTCFKSTS TTGGLTSVSW SFQPEGADTT VSFFHYSQGQ VYLGNYPPFK DRISWAGDLD KKDASINIEN MQFIHNGTYI CDVKNPPDIV VQPGHIRLYV VEKENLPV.		
Formulation	The MPZL1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.		

Introduction

Myelin Protein Zero-Like 1 (MPZL1) is a cell surface receptor, which is involved in signal transduction processes. MPZL1 recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. MPZL1 is a main receptor for concanavalin-A (ConA) and it is involved in cellular signaling induced by ConA, which most likely includes Src family tyrosine-protein kinases. MPZL1 Isoform 3 appears to have a dominant negative role by blocking tyrosine phosphorylation of MPZL1 induced by ConA. Isoform 1, but not isoform 2 and isoform 3, might be involved in regulation of integrin-mediated cell motility.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Background

MPZL1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 148 amino acids (38-162) and having a molecular mass of 16.1kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA