

## 32-4231: Recombinant Human Myelin Protein Zero-Like 1

**Alternative Name :** Myelin Protein Zero-Like 1,PZRa,PZR,Protein Zero-Related,PZRb,Immunoglobulin Family Transmembrane Protein,Myelin Protein Zero-Like Protein 1,MPZL1b,Protein Zero Related,PZR1b.

### Description

Source : Escherichia Coli. 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.MPZL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The MPZL1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSLEVYTPK EIFVANGTQG KLTCKFKSTS TTGGLTSVSW SFQPEGADTT VSFHYSQGQ VYLGNYPPFK DRISWAGDLD KKDASINIEN MQFIHNGTYI CDVKNPPDIV VQPGHIRLYV VEKENLPV.

