

Product datasheet for **TP303176M**

MPZL (MPZL1) (NM_003953) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myelin protein zero-like 1 (MPZL1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203176 protein sequence Red =Cloning site Green =Tags(s)

MAASAGAGAVIAAPDSRRWLWSVLAALGLLTAGVSALEVYTPKEIFVANGTQGKLTCKFKSTSTTGGLT
SVSWSFQPEGADTTVSFFHYSQGQVYLGNYPPFKDRISWAGDLDDKSDASINIENMQFIHNGTYICDVKNP
PDIVVQPGHIRLYVVEKENLPVFPVWVVGIVTAVVLGLTLLISMILAVLYRRKNSKRDTGCGSTSESLS
PVKQAPRKSPSDTEGLVKSLSGSHQGPVIYAQLDHSGGHSDKINKSESVVYADIRKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

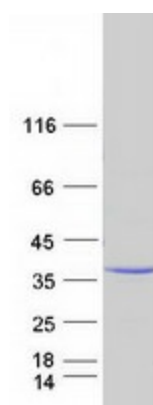
Tag:	C-Myc/DDK
Predicted MW:	28.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003944</u>
Locus ID:	9019
UniProt ID:	<u>O95297</u> , <u>A8K5D4</u>



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RefSeq Size:	5026
Cytogenetics:	1q24.2
RefSeq ORF:	807
Synonyms:	MPZL1b; PZR; PZR1b; PZRa; PZRb
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:



Coomassie blue staining of purified MPZL1 protein (Cat# [TP303176]). The protein was produced from HEK293T cells transfected with MPZL1 cDNA clone (Cat# [RC203176]) using MegaTran 2.0 (Cat# [TT210002]).