

Product datasheet for PH303176

MPZL (MPZL1) (NM_003953) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MPZL1 MS Standard C13 and N15-labeled recombinant protein (NP_003944)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203176
Predicted MW:	29.1 kDa
Protein Sequence:	>RC203176 protein sequence Red=Cloning site Green=Tags(s)

MAASAGAGAVIAAPDSRRWLWSVLAALGLLTAGVSALEVYTPKEIFVANGTQGKLTCKFKSTSTTGGLT
SVSWSFQPEGADTTVSFFHYSQGQVYLGNYPPFKDRISWAGDLDKKASINIENMQFIHNGTYICDVKNP
PDI VVQPGHIRLYVVEKENLPVFPVWVVGIVTAVVLGLTLLISMILAVLYRRKNSKRDYTGCSSESLS
PVKQAPRKSPSDTEGLVKSLPSGSHQGPVIYAQLDHSGGHSDKINKSESVVYADIRKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003944
RefSeq Size:	5026
RefSeq ORF:	807
Synonyms:	MPZL1b; PZR; PZR1b; PZRa; PZRb
Locus ID:	9019
UniProt ID:	O95297 , A8K5D4



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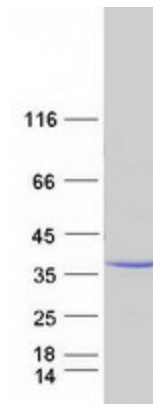
Cytogenetics: 1q24.2

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]).