Recombinant Human MPZL1 Protein (His Tag)

Catalog No. PKSH032771

Note: Centrifuge before opening to ensure complete recovery of vial contents.

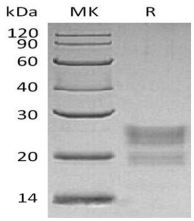
Description

Synonyms	Myelin protein zero-like 1;isoform CRA_b;cDNA FLJ78597;highly similar to Homo sapiens myelin protein zero-like 1 (MPZL1);transcript variant 1;mRNA;cDNA;FLJ96614;Homo sapiens myelin protein zero-like 1 (MPZL1);Mrna
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser36-Val162
Accession	O95297
Calculated Molecular Weight	15.2 kDa
Observed molecular weight	20-28 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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Background

Myelin protein zero-like protein 1(MPZL1) is encoded by the MPZL1 gene, which is a single-pass type I membrane protein. It is widely expressed with highest levels in heart, placenta, kidney and pancreas. As cell surface receptor, it involved in signal transduction processes. MPZL1 recruits PTPN11/SHP-2 to the cell membrane and subsequently activate/phosphorylate Src kinase at Tyr426, promoting phosphorylation of cortactin and migration of HCC cells. MPZL1also is a major receptor for concanavalin-A (ConA) and involved in cellular signaling induced by ConA, which probably includes Src family tyrosine-protein kinases.

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