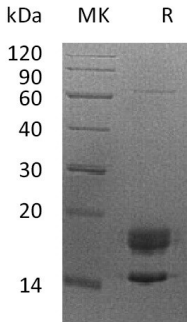
Product Name: Recombinant Human MPZ (C-6His)
Catalog #: PHH1184

Summary

Name	Myelin peripheral protein/MPZ
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Myelin Protein P0 is produced by our Mammalian expression system and the target gene encoding Ile30-Arg153 is expressed with a 6His tag at the C-terminus.
Accession #	P25189
Host	Human Cells
Species	Human
Predicted Molecular Mass	15.2 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human MPZ (C-6His)
Catalog #: PHH1184

Alternative Names	Myelin Protein P0; Myelin Peripheral Protein; MPP; Myelin Protein Zero; MPZ
Background	Myelin Protein P0 (MPZ) is a single-pass type I membrane glycoprotein which belongs to the myelin P0 protein family. MPZ contains one Ig-like V-type (immunoglobulin-like) domain, absent in the central nervous system. MPZ is a major component of the myelin sheath in peripheral nerves. It is postulated that MPZ is a structural element in the formation and stabilisation of peripheral nerve myelin, holding its characteristic coil structure together by the interaction of its positively-charged domain with acidic lipids in the cytoplasmic face of the opposed bilayer, and by interaction between hydrophobic globular of adjacent extracellular domains. Defects in MPZ associated with Charcot-Marie-Tooth disease and Dejerine-Sottas disease.

Note

For Research Use Only , Not for Diagnostic Use.