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Datasheet for ABIN7318793
Myelin Protein (His tag)

Overview

Quantity:	50 µg
Target:	Myelin
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myelin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Myelin Protein P0/MPZ Protein (His Tag)
Sequence:	Ile30-Arg153
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Myelin
Abstract:	Myelin Products
Background:	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

Target Details

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.

Synonym: Myelin Protein P0, Myelin Peripheral Protein, MPP, Myelin Protein Zero, MPZ

Molecular Weight: 15.2 kDa

UniProt: [P25189](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.