32-7656: Recombinant Human Myelin Protein P0/MPZ (C-6His)

Gene : MPZ
Gene ID : 4359
Uniprot ID : P25189

Description

Source: Human Cells.
MW :15.2kD.
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. 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	IVVYTDREVHGAVGSRVTLHCSFWSSEWVSDDISFTWRYQPEGGRDAISIFHYAKGQPYIDEVGTFKERIQWV GDPRWKDGSIVIHNLDYSDNGTFTCDVKNPPDIVGKTSQVTLYVFEKVPTRVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.