

PLP1 Protein, Human, Recombinant (His)

General Information

Synonyms:	PLP1; Myelin proteolipid protein; PLP; Lipophilin
Protein Construction:	2-277 aa
Species:	Human
Expression Host:	E. coli
Accession:	P60201
Molecular Weight:	35.5 kDa (predicted)
AA Sequence:	GLLECCARCLVGAPFASLVATGLCFFGVALFCGCGHEALTGTEKLIETYFSKQDYEYLINVIHAFQYVIYGTASFFFLYGALLLAEGFYTTGAVRQIFGDYKTTICGKLSATVTGGQKGRGSRGQHQAHS�ERVCHCLGKWLGHPKDFVGVITYALTVVWLLVFACSAVPVYIYFNTWTTCCQSIAPSKTSASIGSLCADARMYGVLPWNAFPGKVCGSNLLSICKTAEFQMTFHLFIAAFVGAATLVSLTFMIAATYNFAVLKLMGRGTKF

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

This is the major myelin protein from the central nervous system. It plays an important role in the formation or maintenance of the multilamellar structure of myelin.

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