

Recombinant Full Length Mouse Plp1 Protein, Flag&His tagged

Cat. No. PLP1-12987M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse PLP1 Protein with Flag&His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-277 aa
Description	Predicted to enable identical protein binding activity. Predicted to be a structural constituent of myelin sheath. Involved in positive regulation of gene expression. Acts upstream of or within inflammatory response; long-chain fatty acid biosynthetic process; and neurogenesis. Located in myelin sheath. Is expressed in several structures, including alimentary system; integumental system; musculature; nervous system; and sensory organ. Used to study Pelizaeus-Merzbacher disease and hereditary spastic paraplegia 2. Human ortholog(s) of this gene implicated in Pelizaeus-Merzbacher disease and hereditary spastic paraplegia 2. Orthologous to human PLP1 (proteolipid protein 1).
Form	25 mM Tris-HCl, 100 mM glycine, and 10% glycerol, pH 7.3.
Molecular Mass	32.09 kDa
Notes	For testing in cell culture applications, please filter before use. Note that you may

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experience some loss of protein during the filtration process.

Storage

Store at -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions.

Concentration

0.11 mg/mL determined by Microplate Bradford Protein Assay method

GENE INFORMATION

Gene Name

Plp1 proteolipid protein (myelin) 1 [*Mus musculus*]

Official Symbol

Plp1

Synonyms

PLP1; proteolipid protein (myelin) 1; myelin proteolipid protein; lipophilin; rump shaker; myelin synthesis deficiency; jp; Plp; msd; rsh; DM20; jimpy;

Gene ID

18823

mRNA Refseq

NM_011123

Protein Refseq

NP_035253

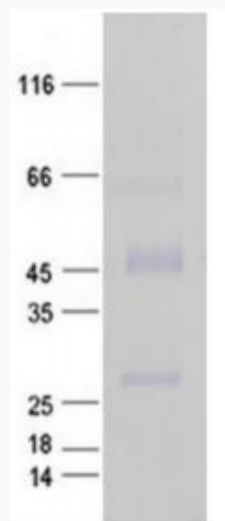
UniProt ID

P60202

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SDS-PAGE and WB

Purified recombinant Mouse PLP1 protein was analyzed by Tricine-SDS-PAGE 12% gel, run with Tris-Glycine running buffer.

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