

Recombinant Human PLP1 293 Cell Lysate

Cat. No. PLP1-3099HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for proteolipid protein 1 (PLP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PLP1 proteolipid protein 1 [Homo sapiens]

Official Symbol

PLP1

Synonyms

PLP1; proteolipid protein 1; PLP, spastic paraplegia 2, uncomplicated , SPG2; myelin proteolipid protein; Pelizaeus Merzbacher disease; lipophilin; major myelin proteolipid protein; PLP; PMD; HLD1; MMPL; SPG2; PLP/DM20;

Gene ID

5354

mRNA Refseq

NM_000533

Protein Refseq

NP_000524

MIM

300401

UniProt ID

P60201

**Chromosome
Location**

Xq22

Function

structural constituent of myelin sheath; structural molecule activity;

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