

Proteolipid Protein 1, Myelin (PLP1) Recombinant Protein | PLP1 recombinant protein

Recombinant Proteolipid Protein 1, Myelin (PLP1)

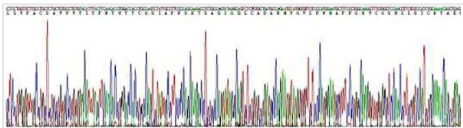
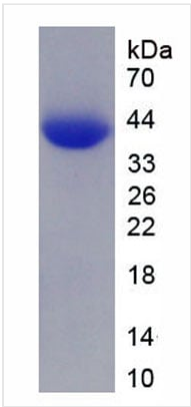
CATALOG # AAA148341	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Proteolipid Protein 1; Myelin (PLP1); Recombinant Proteolipid Protein 1; MMPL; PLP/DM20; PMD; SPG2; Pelizaeus-Merzbacher Disease; Spastic Paraplegia 2; Uncomplicated; Myelin proteolipid protein; Lipophilin; PLP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 50ug/mL (varies by lot)
Applicable Applications for PLP1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu129~Phe242
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	9.0
Usage	Reconstitute in ddH2O to a concentration of 0-0.1 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE
Figure. SDS-PAGE

LL VFACSAVPVY IYFNTWTTTCQ
SIAFPSKTS SIGSLCADAR MYGVLPWNAF PGKVCGSNLL SICKTAEFQM
TFHLFIAAFV GAAATLVSLT TFHIAATYNF AVLKLHGRGT KF

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for PLP1 recombinant protein	Neuroscience
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41349499
NCBI GeneID	5354
NCBI Accession #	NP_000524.3
NCBI GenBank Nucleotide #	NM_000533.4
UniProt Accession #	P60201; P04400; P06905; Q502Y1; Q6FHZ6
Molecular Weight	Predicted Molecular Mass: 42.3kDa Accurate Molecular Mass: 43kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	myelin proteolipid protein isoform 1
NCBI Official Synonym Full Names	proteolipid protein 1
NCBI Official Symbol	PLP1
NCBI Official Synonym Symbols	PLP; PMD; HLD1; MMPL; SPG2; GPM6C; PLP/DM20
NCBI Protein Information	myelin proteolipid protein
UniProt Protein Name	Myelin proteolipid protein
UniProt Gene Name	PLP1
UniProt Synonym Gene Names	PLP; PLP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.