

# Recombinant Human PLP1 Full Length Transmembrane protein (2-277 aa), His-tagged

**Cat. No.** PLP1-2728H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PLP1 Protein (2-277 aa) is produced by in vitro E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 2-277aa                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                 |
| <b>Molecular Mass</b>   | 35.5 kDa                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | GLLECCARCLVGAPFASLVATGLCFFGVALFCGCGHEALTGTEKLIETYFSKNYQDY<br>EYLINVIHAFQYVIYGTASFFFLYGALLAEGFYTTGAVRQIFGDYKTTICGKGLSATVT<br>GGQKGRGSRGQHQAHS�ERVCHCLGKWLGHDPDKFVGITYALTVVWLLVFACSAVP<br>VYIYFNTWTTTCQSIAPPSKTSASIGSLCADARMYGVLPWNAFPGKVCGSNLLSICKTA<br>EFQMTFHLFIAAFVGAAATLVSLTTFMIAATYNFAVLKLMGRGTFK |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                           |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

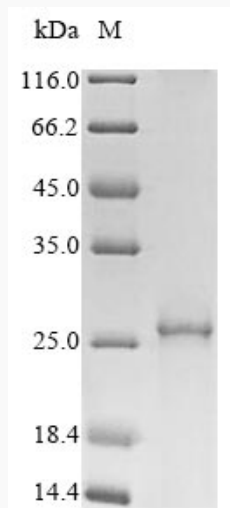
## GENE INFORMATION

|                        |                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PLP1 proteolipid protein 1 [ Homo sapiens ]                                                                                                                                                                                 |
| <b>Official Symbol</b> | PLP1                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 5354                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_000533                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_000524                                                                                                                                                                                                                   |
| <b>MIM</b>             | 300401                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | P60201                                                                                                                                                                                                                      |

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**SDS-PAGE**

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