

PMP2 Protein, Human (His)

Cat. No.:	HY-P71066
Synonyms:	Myelin P2 Protein; Peripheral Myelin Protein 2; PMP2
Species:	Human
Source:	E. coli
Accession:	P02689 (M1-V132)
Gene ID:	5375
Molecular Weight:	14-20 kDa

PROPERTIES

AA Sequence	<p> MS N K F L G T W K L V S S E N F D D Y M K A L G V G L A T R K L G N L A K P T V I I S K K G D I I T I R T E S T F K N T E I S F K L G Q E F E E T T A D N R K T K S I V T L Q R G S L N Q V Q R W D G K E T T I K R K L V N G K M V A E C K M K G V V C T R I Y E K V </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Citrate, 10% Trehalose, 100 mM NaCl, 0.05% Tween 80, pH 4.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The PMP2 protein is implicated in potentially serving as a lipid transport protein within Schwann cells, suggesting its involvement in the intricate processes of lipid transport and cellular homeostasis. Additionally, PMP2 may play a role in binding cholesterol, indicating its potential participation in cholesterol-related pathways or cellular functions. Structurally, PMP2 functions as a monomer, underscoring its individual unit within the cellular machinery. The precise mechanisms by which PMP2 contributes to lipid transport and cholesterol binding, as well as its specific role in Schwann cell biology, remain areas of interest, warranting further exploration to unravel its functional significance and molecular interactions in the context of lipid homeostasis.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA