Myelin protein P0/MPZ Protein, Human (HEK293, His)

Cat. No.:	HY-P70328
Synonyms:	rHuMyelin protein P0/MPZ, His; Myelin Protein P0; Myelin Peripheral Protein; MPP; Myelin Protein Zero; MPZ
Species:	Human
Source:	HEK293
Accession:	P25189 (I30-R153)
Gene ID:	4359
Molecular Weight:	14-17 kDa

PROPERTIES

AA Sequence	I V V Y T D R E V H G A V G S R V T L H C S F W S S E W V S D D I S F T W R Y Q P E G G R D A I S I F H Y A K G Q P Y I D E V G T F K E R I Q W V G D P R W K D G S I V I H N L D Y S D N G T F T C D V K N P P D I V G K T S Q V T L Y V F E K V P T R
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	Myelin protein P0 (MPZ) emerges as a crucial adhesion molecule, essential for the normal myelination process within the peripheral nervous system. Functioning as a mediator of adhesion between adjacent myelin wraps, MPZ plays a pivotal role in facilitating the intricate process of myelin compaction. Its homodimeric and homotetrameric structures further underscore its significance in establishing the necessary cellular interactions that contribute to the formation and integrity of myelin in the peripheral nervous system.

Caution: Product has not been fully validated for medical applications. For research use only.

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