PTP-MEG2/PTPN9 Protein, Human (sf9, His-GST)

Cat. No.:	HY-P77170
Synonyms:	Tyrosine-protein phosphatase non-receptor type 9; PTPase MEG2; PTPN9
Species:	Human
Source:	Sf9 insect cells
Accession:	P43378 (A285-Q593)
Gene ID:	5780
Molecular Weight:	Approximately 63.3 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	PTP-MEG2/PTPN9 protein, a protein-tyrosine phosphatase, is implicated in potential roles related to the transfer of hydrophobic ligands or functions associated with the Golgi apparatus. Operating within the intricate cellular landscape, PTP-MEG2/PTPN9 showcases versatility in its potential involvement in diverse molecular processes. Whether facilitating the transfer of hydrophobic ligands or contributing to Golgi-related functions, this phosphatase emerges as a multifunctional player, reflecting its significance in the intricate orchestration of cellular activities. The precise nature and extent of its contributions to these processes remain subjects of ongoing exploration, underscoring the need for further investigation into the multifaceted roles of PTP-MEG2/PTPN9 in cellular physiology.

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