

PTP4A3 Protein, Human (His)

Cat. No.:	HY-P701033
Synonyms:	PRL-R; PRLR; PRL-3; PRL3; PTP4A3;
Species:	Human
Source:	E. coli
Accession:	O75365-1 (M1-C170)
Gene ID:	11156
Molecular Weight:	20.29 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of 20mM PB, 500mM NaCl, 2mM DTT, 20% Glycerol, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

PTP4A3 protein, a member of the protein tyrosine phosphatase family, serves as a critical regulator in cell cycle progression, specifically promoting the transition from G1 to S phase during mitosis. Its influence extends beyond cell cycle dynamics, as it actively enhances cell proliferation, motility, and invasive behavior, thereby contributing to the promotion of cancer metastasis. Additionally, PTP4A3 appears to play a role in the progression of cardiac hypertrophy, potentially through the inhibition of intracellular calcium mobilization in response to angiotensin II. Unraveling the intricate signaling pathways and molecular mechanisms orchestrated by PTP4A3 is crucial for a comprehensive understanding of its diverse roles in cellular processes and pathological conditions.

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