
Product Data Sheet

Product Name: PTP4A2 Human
 Cat. No.: GP22200
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HH13; HH7-2; HU-PP-1; OV-1; PRL-2; PRL2; ptp-IV1a; ptp-IV1b; PTP4A; PTPCAAX2.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNRP APVEISYENM RFLITHNPTN ATLNKFTEEL KKYGVTTLVR VCDATYDKAPVEKEGIHVLD WPFDDGAPP NQIVDDWLNL LKTKFREEPG CCVAVHCVAG LGRAPVLVAL ALIECGMKYE DAVQFIRQKR RGAFNSKQLL YLEKYRPMR LRFRDTNGHC CVQ.		
Formulation	The PTP4A2 (0.5mg/ml) protein solution contains 20mM Tris-HCl, pH-8, 1mM EDTA and 10% Glycerol.		

Introduction

PTP4A2 is part of a small class of the protein tyrosine phosphatase (PTP) family. PTP4A2 is localized to the early endosome that take part in a variety of cellular activities. PTP4A2 protein interacts with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), therefore has a role as a regulator of GGT II activity. Overexpression of PTP4A2 in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Recombinant Human PTP4A2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 203 amino acids (1-167 a.a.) and having a molecular mass

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

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of 23.2 kDa. PTP4A2 is fused to a 36 amino acid His-Tag at N-Terminus and purified by conventional chromatography techniques.

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