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PTP4A2 Human

Catalog #:ENPS-565

For research use only.

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

Synonyms:HH13, HH7-2, HU-PP-1, OV-1, PRL-2, PRL2, ptp-IV1a, ptp-IV1b, PTP4A, PTPCAAX2.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNRP APVEISYENM RFLITHNPTN ATLNKFTEEL KKYGVTTLVR VCDATYDKAPVEKEGIHVLD WPFDDGAPPP NQIVDDWLNL LKTKFREEPG CCVAVHCVAG LGRAPVLVAL ALIECGMKYE DAVQFIRQKR RGAFNSKQLL YLEKYRPKMR LRFRDTNGHC CVQ.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The PTP4A2 (0.5mg/ml) protein solution contains 20mM Tris-HCl, pH-8, 1mM EDTA and 10% Glycerol.

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.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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 sμggested its role in tumorigenesis.

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