

**PTP4A1, 1-170aa, Human, His tag, E.coli**

**Cat.NO.: TP03595**

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3th Edition

**Synonyms:**Protein tyrosine phosphatase type IVA 1, HH72; PRL-1; PRL1, PTP(CAAX1), PTPCAAX17C1

**Description:**PTP4A1, also known as protein tyrosine phosphatase type IVA 1, is cell signaling molecule that plays regulatory roles in a variety of cellular processes. This protein is a unique nuclear PTP that is induced in regenerating liver and mitogen stimulated cells. It is primarily expressed in spleen, bone marrow, thymus, lymph nodes, T lymphocytes and tonsil and is overexpressed in tumor cell lines.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

**Molecular Weight:**21.6 kDa (190aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMARMNRPAPVEVTKNMRFLITHNPTNATLNKFIEELKKYGVTTIVRVCEATYDTT  
LVEKEGIHVLDWPFDDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLVALALIEGGMKYEDAVQFI  
RQKRRGAFNSKQLLYLEKYRPMRLRFKDSNGHRNNC

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.