

Recombinant Human PTP4A1 protein, His-tagged

Cat. No. PTP4A1-2479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTP4A1 protein(1-173 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-173 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MARMNRPAPVEVTYKNMRLITHNPTNATLNKFIEELKKYGVTTIVRVCEATYDTTLV EKEGIHVLDWPFDDGAPPSNQIVDDWLSLVKIKFREEPGCCIAVHCVAGLGRAPVLV ALALIEGGMKYEDAVQFIRQKRRGAFNSKQLLYLEKYRPKMRLRFKDSNGHRNNCCI Q
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [PTP4A1 protein tyrosine phosphatase type IVA, member 1 \[Homo sapiens \]](#)

Official Symbol [PTP4A1](#)

Synonyms PTP4A1; protein tyrosine phosphatase type IVA, member 1; protein tyrosine phosphatase type IVA 1; PRL 1; PTPCAAX1; PTP(CAAXI); protein-tyrosine phosphatase 4a1; Protein tyrosine phosphatase IVA1; protein tyrosine phosphatase type IVA protein 1; protein-tyrosine phosphatase of regenerating liver 1; HH72; PRL1; PRL-1; PTP(CAAX1); DKFZp779M0721;

Gene ID [7803](#)

mRNA Refseq [NM_003463](#)

Protein Refseq [NP_003454](#)

MIM [601585](#)

UniProt ID [Q93096](#)

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