

Recombinant Human PTPRH protein, His & T7-tagged

Cat. No. PTPRH-5697H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRH aa. (Asn844~Asp1096 (Accession # Q9HD43)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn844~Asp1096
Description	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and a single intracytoplasmic catalytic domain, and thus represents a receptor-type PTP. The extracellular region contains eight fibronectin type III-like repeats and multiple N-glycosylation sites. The gene was shown to be expressed primarily in brain and liver, and at a lower level in heart and stomach. It was also found to be expressed in several cancer cell lines, but not in the corresponding normal tissues. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PTPRH protein tyrosine phosphatase, receptor type H [Homo sapiens (human)]
Official Symbol	PTPRH
Synonyms	PTPRH; protein tyrosine phosphatase, receptor type H; SAP1; R-PTP-H; receptor-type tyrosine-protein phosphatase H; stomach cancer-associated protein tyrosine phosphatase 1; transmembrane-type protein-tyrosine phosphatase type H
Gene ID	5794
mRNA Refseq	NM_001161440.2

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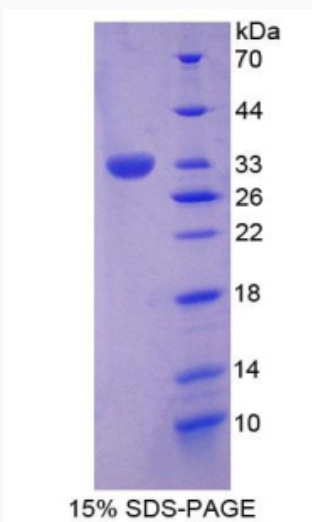
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Protein Refseq NP_001154912.2

UniProt ID Q9HD43

SDS-PAGE



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