

Recombinant Human PTPRH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTPRH-3645H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTPRH MS Standard C13 and N15-labeled recombinant protein (NP_002833) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	122.2 kDa
AA Sequence	MAGAGGGLGVWGNLVLLGLCSWTGARAPAPNPGRNLTVETQTTSSISLSWEVPDG LDSQNSNYWVQCTGDGGTTETRNNTATNVTVDGLGPGSLYTCSWVEKDGVNSS VGTVTTATAPNPVRNLRVEAQTNSSIALTWEVPDGPDPQNSTYGVEYTGDDGRAG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TRSTAHTNITVDGLEPGCLYAFSMWVGKNGINSSRETRNATTAHNPVRNLRVEAQT
 TSSISLSWEVPDGTDPQNSTYCVQCTGDGGRTETRNTTDTTRVTVDGLGPGSLYTCS
 VWVEKDGVNSSVEIVTSATAPNPVRNLTVEAQTNSSIALTWEVPDGPDPQNSTYGV
 EYTGDDGGRAGTRSTAYTNITVDRLLEPGCLYVFSVWVGKNGINSSRETRNATTAPNP
 VRNLHMETQTNSSIALCWEVPDGPYPQDYTYWVEYTGDDGGTETRNTTNTSVTAE
 RLEPGTLYTFSVWAEKNGARGSRQNVSISTVPNAVTSLSKQDWTNSTIALRWTAPO
 GPGQSSYSYWVSWVREGMTDPRQTSTSGTDITLKEAGSLYHLLTVWAERNEVRG
 YNSTLTAATAPNEVTDLQNETQTKNSVMLWWKAPGDPHSQLYVYVWQWASKGHP
 RRGQDPQANWVNQTSRTNETWYKVEALEPGTLYNFTVWAERNDVASSTQSLCAS
 TYPDVTITSCVSTSAGYGVNLIWSCPQGGYEAFELEVGGQGRGSQDRSSCGEAVSV
 LGLGPARSYPATITTIWDGMKVVSHSVVCHTESAGVIAGAFVGILLFLILVGLLIFFLKR
 RNKKKQKPELRDLVFSSPGDIPAEDFADHVRKNERDSNCGFADEYQQLSLVGHS
 QSQMVASASENNAKNRYRNVLPYDWSRVPLKPIHEEPGSDYINASFMPGLWSPQE
 FIATQGPLPQTVGDFWRLVWEQQSHTLVMLTNCMEAGRVKCEHYWPLDSQPCTH
 GHLRVTLVGEEVMENWTVRELLLLQVEEQKTLVSRQFHYQAWPDHGVPSPTLL
 AFWRMLRQWLDQTMEGGPPIVHCSAGVGRTGTIALDLVLLRQLQSEGLLGPFVSFR
 KMRESRPLMVQTEAQYVFLHQCILRFLQQSAQAPAEKEVPYEDVENLIYENVAIIQA
 HKLEVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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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; receptor-type tyrosine-protein phosphatase H; SAP 1; R-PTP-H; transmembrane-type protein-tyrosine phosphatase type H; stomach cancer-associated protein tyrosine phosphatase 1; SAP1; FLJ39938; MGC133058; MGC133059;
Gene ID	5794
mRNA Refseq	NM_002842
Protein Refseq	NP_002833
MIM	602510
UniProt ID	Q9HD43

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