

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

Cat. No. PTPRA-1703H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTPRA MS Standard C13 and N15-labeled recombinant protein (NP_002827) 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 contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported.
Molecular Mass	90.72 kDa
AA Sequence	MDSWFILVLLGSGLICVSANNATTVAPSVGITRLINSSTAEPVKEEAKTSNPTSSLTSL SVAPTFSPNITLGPTYLTTVNSSDSNGTTRTASTNSIGITISPNGTWLPDNQFTDAR TEPWEGNSSTAATTPETFPSPGNSDSKDRRDETPIIAVMVALSSLLVIVFIIIVLYMLRF KKYKQAGSHSNSFRLSNGRTEDVEPQSVPLLARSPSTNRKYPPLPVDKLEEEINRR

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MADDNKLFREEFNALPACPIQATCEAASKEENKEKNRYVNILPYDHSRVHLTPVEGV
 PDSDYINASFINGYQEKNKFIAAQGPKEETVNDFWRMIWEQNTATIVMTNLKERKE
 CKCAQYWPDPQGCWTYGNIRVSVEDVTVLVDYTVRKFCIQQVGDMTNRKPQRLITQ
 FHFTSWPDFGVPFTPIGMLKFLKKVKACNPQYAGAIVVHCSAGVGRTGTFFVIDAML
 DMMHTERKVDVYGFVSRIRARQCQMVQTDQMYYVFIYQALLEHYLYGDTELEVTSLE
 THLQKIYNKIPGTSNNGLEEEFKLTSIKIQNDKMRTGNLPANMKKNRVLQIIPYEFNR
 VIIPVKRGEENTDYVNASFIDGYRQKDSYIASQGPLLHTIEDFWRMIWEWKSCSIVML
 TELEERGQEKCAQYWPSDGLVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQI
 RQFHFHGWPEVGIPSDGKGMISIIAAVQKQQQSGNHPITVHCSAGAGRTGTFCAL
 STVLERVKAEGILDVFQTVKSLRLQRPHMVQTLEQYEFQYKVVQEYIDAFSDYANFK
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

GENE INFORMATION

Gene Name PTPRA protein tyrosine phosphatase receptor type A [Homo sapiens (human)]

Official Symbol PTPRA

Synonyms PTPRA; protein tyrosine phosphatase, receptor type, A; PTPA, PTPRL2; receptor-type tyrosine-protein phosphatase alpha; HLPR; HPTPA; LRP; RPTPA; PTPase-

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alpha; PTPLCA-related phosphatase; tyrosine phosphatase alpha; protein-tyrosine phosphatase alpha; protein tyrosine phosphatase, receptor type, alpha polypeptide; Leukocyte common antigen-related peptide (protein tyrosine phosphate); PTPA; HEPTP; PTPRL2; HPTPalpha; R-PTP-alpha;

Gene ID 5786

mRNA Refseq NM_002836

Protein Refseq NP_002827

MIM 176884

UniProt ID P18433

SDS-PAGE



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