

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

Cat. No. PTPRO-6718H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTPRO MS Standard C13 and N15-labeled recombinant protein (NP_109596) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the R3 subtype family of receptor-type protein tyrosine phosphatases. These proteins are localized to the apical surface of polarized cells and may have tissue-specific functions through activation of Src family kinases. This gene contains two distinct promoters, and alternatively spliced transcript variants encoding multiple isoforms have been observed. The encoded proteins may have multiple isoform-specific and tissue-specific functions, including the regulation of osteoclast production and activity, inhibition of cell proliferation and facilitation of apoptosis. This gene is a candidate tumor suppressor, and decreased expression of this gene has been observed in several types of cancer.
Molecular Mass	47.2 kDa
AA Sequence	Tag(s)MVTEMNPNVVVISVLAILSTLLIGLLLVTLLILRKKHLQMARECGAGTFVNFASL ERDGKLPYNWRRSIFAFLTLLPSCLWTDYLLAFYINPWSKNGLKRRKLTNPVQLDDF DAYIKDMAKDSYKFSLQFEELKLIGLDIPHFAADLPLNRCKNRYTNILPYDFSRLV SMNEEEGADYINANYIPGYNSPQEYIATQGPLPETRNDFWKMVLQQKSQIIVMLTQC

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NEKRRVKCDHYWPFTEEPIAYGDITVEMISEEEQDDWACRHFRIYADEMQDVMHF
 NYTAWPDHGVPTANAAESILQFVHMVRQQATKSKGPMIIHCSAGVGRGTGTFIALDRL
 LQHIRDHEFVDILGLVSEMRSYRMSMVQTEEQYIFIHQCVQLMWMKKKQQFCISDVI
 YENVSKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 PTPRO protein tyrosine phosphatase receptor type O [Homo sapiens (human)]

Official Symbol PTPRO

Synonyms PTPRO; protein tyrosine phosphatase, receptor type, O; receptor-type tyrosine-protein phosphatase O; GLEPP1; NPHS6; osteoclastic transmembrane protein tyrosine phosphatase; PTP oc; PTP U2; PTPU2; PTP phi; PTPase U2; phosphotyrosine phosphatase U2; glomerular epithelial protein 1; protein tyrosine phosphatase PTP-U2; osteoclastic transmembrane protein-tyrosine phosphatase; PTP-OC; PTP-U2; PTPROT; R-PTP-O;

Gene ID 5800

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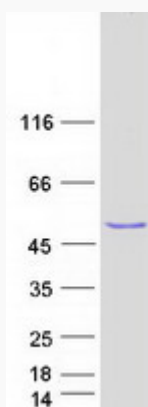
mRNA Refseq [NM_030671](#)

Protein Refseq [NP_109596](#)

MIM [600579](#)

UniProt ID [Q16827](#)

SDS-PAGE



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