

Recombinant Human PTPRO Protein, His-tagged

Cat. No. PTPRO-2643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRO Protein (Phe938-Met1195) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe938-Met1195
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9 kDa Accurate Molecular Mass: 36 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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

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

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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_002848
Protein Refseq	NP_002839
MIM	600579
UniProt ID	Q16827

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