

Recombinant Full Length Human PTPRO Protein

Cat. No. PTPRO-418HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GLEPP1 according to AAH35960.1, with N-terminal proprietary tag. Mol Wt 91.78 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
Protein Length	598 amino acids
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	Liquid
Molecular Mass	91.780kDa inclusive of tags
AA Sequence	MGHLPTGIHGARRLLPLLWLFVL FKNATAFHVT VQDDNNI VVSLEASDVISPASVYV VKITGESKNYFFEFEEFNSTLPP PVIFKASYHGLYYIITLVVVNGNVVTKPSRSITVLTK

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PLP VTSVSIYDYKPSPETGVLFEIHYPEKYNVFTVRNISYWEG KDFRTMLYKDFFKG
 KTVFNHWLPGMCYSNITFQLVSEATF NKSTLVEYSGVSHEPKQHRTAPYPPQNISV
 RIVNLNKNW EEQSGNFPEESFMRSQDTIGKEKLFHFTEETPEIPSGNIS SGWPDF
 NSSDYETTSQPYWWDSASAPESEDEFVSVLPME YENNSTLSETEKSTSGSFSFF
 PVQMILTWLPPKPPTAFDG FHIHIEREENFTEYLMVDEEAHEFVAELKEPGKYKLSV
 TT FSSSGSCETRKSQSAKLSFYISPSGEWIEELTEKPQHVS VHVLSSTTALMSWT
 SSQENYNSTIVSVSLTCQKQKESQR LEKQYCTQVNSSKPIIENLVPGAQYQVVIYL
 RKGPLIGPP SDPVTFAIVPTGIKDLMLYPLGPTAVVLSWTRPYLGVFRK YVEMFYF
 NPATMTSEWTTYEIAATVSLTASVVIFP

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [PTPRO protein tyrosine phosphatase, receptor type, O \[Homo sapiens \]](#)

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

Gene ID [5800](#)

mRNA Refseq [NM_002848](#)

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Protein Refseq	NP_002839
MIM	600579
UniProt ID	Q16827

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