

Recombinant Full Length Human PTPN6 Protein, MYC/DDK-tagged

Cat. No. PTPN6-3129H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human PTPN6 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.

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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported.

Form

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass

67.4 kDa

Purity

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

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name PTPN6 protein tyrosine phosphatase, non-receptor type 6 [Homo sapiens]

Official Symbol PTPN6

Synonyms HCP; HCPH; HPTP1C; PTP-1C; SH-PTP1; SHP-1; SHP-1L; SHP1

Gene ID 5777

mRNA Refseq NM_002831

Protein Refseq NP_002822

MIM 176883

UniProt ID P29350

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