

Recombinant Full Length Human PTPN2 Protein, MYC/DDK-tagged

Cat. No. PTPN2-3131H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-415 a.a.
Description	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	40.8 kDa

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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
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GENE INFORMATION

Gene Name	PTPN2 protein tyrosine phosphatase, non-receptor type 2 [Homo sapiens]
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Official Symbol	PTPN2
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Synonyms	PTN2; PTPT; TC-PTP; TCELLPTP; TCPTP
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Gene ID	5771
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mRNA Refseq	NM_001207013
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Protein Refseq	NP_001193942
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MIM	176887
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UniProt ID	P17706
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