

Recombinant Human PTPN18 cell lysate

Cat. No. PTPN18-1437HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PTPN18 protein tyrosine phosphatase, non-receptor type 18 (brain-derived) [Homo sapiens]
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Official Symbol	PTPN18
Synonyms	BDP1; PTP-HSCF
Gene ID	26469
mRNA Refseq	NM_014369.3
Protein Refseq	NP_055184.2
MIM	606587
UniProt ID	Q99952
Chromosome Location	2q21.1
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem;
Function	non-membrane spanning protein tyrosine phosphatase activity;

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