

Recombinant Human PTPN18 Protein, MYC/DDK-tagged

Cat. No. PTPN18-3132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN18 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, 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PTPN18 protein tyrosine phosphatase, non-receptor type 18 (brain-derived) [Homo sapiens]
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

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