Active Recombinant Human PTPN11 Protein, His-tagged

Cat. No. PTPN11-519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN11 (Accession # NP_002825) Ser2-Arg593, fused with an N-terminal 6-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2-Arg593
Predicted N Terminal	His
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl, Glycerol and DTT.
Bio-activity	Measured by its ability to dephosphorylate a tyrosine residue in a peptide containing the EGFR Y992 phosphorylation site.The specific activity is >1.2 pmol/min/mg, measured under the described conditions.
Molecular Mass	Recombinant Human PTPN11, His-tagged has a calculated MW of 69 kDa. In SDS-PAGE migrates as 63-70 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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

Reconstitution	Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	PTPN11 protein tyrosine phosphatase, non-receptor type 11 [Homo sapiens]
Official Symbol	PTPN11
Synonyms	PTPN11; protein tyrosine phosphatase, non-receptor type 11; Noonan syndrome 1 , NS1; tyrosine-protein phosphatase non-receptor type 11; BPTP3; PTP2C; SH PTP2; SHP 2; SHP2; PTP-2C; protein tyrosine phosphatase-2; protein-tyrosine phosphatase 1D; protein-tyrosine phosphatase 2C; CFC; NS1; PTP-1D; SH-PTP2; SH-PTP3; MGC14433;
Gene ID	5781
mRNA Refseq	NM_002834
Protein Refseq	NP_002825
MIM	176876
UniProt ID	Q06124
Chromosome Location	12q24.1

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