

Recombinant Human PTPN11 protein, His-tagged

Cat. No. PTPN11-6745H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human PTPN11 protein(1-357 aa), fused with N-terminal His tag, was expressed in E.coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-357 aa |
| Form | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| AASequence | <p>MTSRRWFHPNITGVEAENLLLTRGVDGSFLARPSKSNPGDFTLSVRRNGAVTHIKIQ NTGDYYDLYGGEKFATLAELVQYYMEHHGQLKEKNGDVIELKYPLNCADPTSERWF HGHLSGKEAEKLLTEKGKHGSFLVRESQSHPGDFVLSVRTGDDKGESNDGKSKVT HVMIRCQELKYDVGGERFDSLTDLVEHYKKNPMVETLGTVLQLKQPLNTRINAAE IESRVRELSKLAETTDKVKQGFWEFETLQQQECKLLYSRKEGQRQENKKNRYKN ILPFDHTRVVLHDGDPNEPVSDYINANIIMPEFETKCNNSKPKKSYIATQGCLQNTVN DFWRMVFQENSRVIVMTT</p> |
| Purity | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| Storage | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, |

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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](#)

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SDS-PAGE



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