

Recombinant Human TCPTP/PTPN2 (C-6His)

Catalog No. PKSH033981

Note: Centrifuge before opening to ensure complete recovery of vial contents.

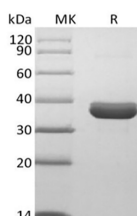
Description

| | |
|------------------------------------|--|
| Synonyms | PTP2; PTPN2; PTPTPTN2; TCELLPTP; TCPTP; TC-PTP |
| Species | Human |
| Expression Host | E.coli |
| Sequence | Thr2-Asn314 |
| Accession | P17706 |
| Calculated Molecular Weight | 37.4 kDa |
| Observed molecular weight | 35-40 kDa |
| Tag | C-6His |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Storage | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| Shipping | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C. |
| Formulation | Supplied as a 0.2 µm filtered solution of 20mM HEPES, 300mM NaCl, 1mM DTT, 10% Glycerol, pH 7.4. |
| Reconstitution | Not Applicable |

Data



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Background

Tyrosine-protein phosphatase non-receptor type 2 (PTPN2), also known as PTPT and TC-PTP, is an enzyme that removes phosphate groups covalently attached to tyrosine residues in proteins. Members of the protein tyrosine phosphatase (PTP) family share a highly conserved catalytic motif, which is essential for the catalytic activity. TC-PTP / PTPN2 is a cytosolic tyrosine phosphatase that functions as a negative regulator of a variety of tyrosine kinases and other signaling proteins. The expression of TC-PTP / PTPN2 plays a role of tumor suppressor and may modulate response to treatment. TC-PTP / PTPN2 is an enzyme that is essential for the proper functioning of the immune system and that participates in the control of cell proliferation, and inflammation. TC-PTP / PTPN2 was identified as a negative regulator of

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NUP214-ABL1 kinase activity.