Recombinant Human PTPN4 Protein, His&GST-tagged

Cat. No. PTPN4-2005H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPN4 Protein (Asn616-Lys926) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn616-Lys926
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, mitotic cycle, and oncogenic transformation. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 65.6 kDa Accurate Molecular Mass: 67 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PTPN4 protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte) [Homo sapiens (human)]
Official Symbol	PTPN4
Synonyms	PTPN4; protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte); tyrosine-protein phosphatase non-receptor type 4; PTPMEG; MEG; PTPase-MEG1; megakaryocyte phosphatase; protein tyrosine phosphatase MEG1; protein-tyrosine phosphatase MEG1; megakaryocyte protein-tyrosine phosphatase; PTPMEG1;
Gene ID	5775
mRNA Refseq	NM_002830
Protein Refseq	NP_002821

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MIM	176878
UniProt ID	P29074

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