

Recombinant Full Length Human PTPN5 Protein, C-Flag-tagged

Cat. No. PTPN5-1106HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PTPN5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables phosphotyrosine residue binding activity. Predicted to be involved in peptidyl-tyrosine dephosphorylation. Predicted to act upstream of or within protein dephosphorylation. Predicted to be located in nucleoplasm. Predicted to be integral component of membrane. Biomarker of Alzheimer's disease.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	63.4 kDa
AA Sequence	MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPIVMEALDEAEGLQDSQRE MPPPPPPSPSPDPAQ KPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSGYGHI WSQNATNLVSSLLTLLKQLEPTAWLDSGT WGVPSLLLVLFSVGLVLVTTLVWHLLRT PPEPPTPLPPEDRRQSVSRQPSFTYSEWMEEKIEDDFLDLP VPETPVFDCVMDIK PEADPTSLTVKSMGLQERRGSNVSLTDMCTPGCNEEGFGYLMSPREESAREYLLS ASRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDIPGLVRKNRYKTILPNPHSR VCLTSPDPDDPL SSYINANYIRGYGGEEKVYIATQGPIVSTVADFWRMVWQEHTPII VMITNIEEMNEKCTEYWPEEQVAYD GVEITVQKVIHTEDYRLRLISLKSGTEERGLKH

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YWFTSWPDQKTPDRAPLLHLVREVEEAAQQEGPHCA PIIVHCSAGIGRTGCFIATS
 ICCQQLRQEGVVDILKTTTCQLRQDRGGMIQTCEQYQFVHHVMSLYEKQLS
 HQSPETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways	MAPK signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	PTPN5 protein tyrosine phosphatase non-receptor type 5 [Homo sapiens (human)]
Official Symbol	PTPN5
Synonyms	STEP; STEP61; PTPSTEP
Gene ID	84867

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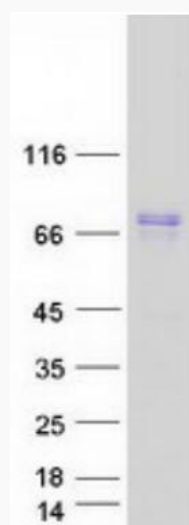
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mRNA Refseq [NM_006906.2](#)

Protein Refseq [NP_008837.1](#)

MIM [176879](#)

UniProt ID [P54829](#)



Coomassie blue staining of purified PTPN5 protein.

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