

Recombinant Human PTPN5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTPN5-5689H Lot. No. (See product label)

SPECIFICATION

Product Overview	PTPN5 MS Standard C13 and N15-labeled recombinant protein (NP_116170) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	PTPN5 (Protein Tyrosine Phosphatase Non-Receptor Type 5) is a Protein Coding gene. Diseases associated with PTPN5 include Viral Gastritis and Phencyclidine Abuse. Among its related pathways are Neuroscience and EGF/EGFR Signaling Pathway. Gene Ontology (GO) annotations related to this gene include phosphatase activity and phosphotyrosine residue binding. An important paralog of this gene is PTPRR.
Molecular Mass	63.4 kDa
AA Sequence	MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPPIVMEALDEAEGQLQDSQRE MPPPPPPSPPSDPAQKPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSGYGHI WSQNATNLVSSLLTLLKQLEPTAWLDSGTWGVPSLLL VFLSVGLVLVTTLVWHLRT PPEPPTPLPPEDRRQSVSRQPSFTYSEWMEEKIEDDFLDLPVPETPVFDCVMDIKP EADPTSLTVKSMGLQERRGSNVSLTLDMCTPGCNEEGFGYLMSPREESAREYLLSA SRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDIPGLVRKNRYKTILPNPHSRV CLTSPDPDDPLSSYINANYIRGYGGEEKVYIATQGPIVSTVADFWRMVWQEHTPIIVM

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ITNIEEMNEKCTEYWPEEQVAYDGVETVQKVIHTEDYRLRLISLKSGTEERGLKHYW
 FTSWPDQKTPDRAPLLHLVREVEEAAQQEGPHCAPIVHCSAGIGRTGCFIATSICC
 QQLRQEGVVDILKTTCCQLRQDRGGMIQTCEQYQFVHHVMSLYEKQLSHQSPETRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PTPN5 protein tyrosine phosphatase non-receptor type 5 \[Homo sapiens \(human\) \]](#)

Official Symbol [PTPN5](#)

Synonyms PTPN5; protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched); PTPSTEP; STEP;

Gene ID [84867](#)

mRNA Refseq [NM_032781](#)

Protein Refseq [NP_116170](#)

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MIM	176879
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UniProt ID	P54829
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