

Product datasheet for **TP317371L**

PTPN5 (NM_032781) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched) (PTPN5), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217371 representing NM_032781 Red =Cloning site Green =Tags(s)

MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPIVMEALDEAEGQLQDSQREMPPPPPPSPSPDPAQ
KPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSGYGHIWSQNATNLVSSLLTLLKQLEPTAWLDSGT
WGVPSLLLVLVSLVGLVLTTLVWHLLRTPPEPTPLPPEDRRQSVSRQPSFTYSEWMEEKIEDDFLDLP
VPETPVFDCVMDIKPEADPTSLTVKSMGLQERRGSNVSLTLDMCTPGCNEEGFGYLMSPREESAREYLLS
ASRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDIPGLVRKNRYKTILPNPHSRVCLTSPDPDDPL
SSYINANYIRGYGGEEKVYIATQGPIVSTVADFWRMWWQEHTPIIVMITNIEEMNEKCTEYWPEEQVAYD
GVEITVQKVIHTEDYRLRLISLKSQTEERGLKHYWFTSWPDQKTPDRAPLLHLVREVEEAAQQEGPHCA
PIIVHCSAGIGRTGCFIATSICCQQLRQEGVVDILKTTCLRQDRGGMIQTCEQYQFVHHVMSLYEKQLS
HQSPE

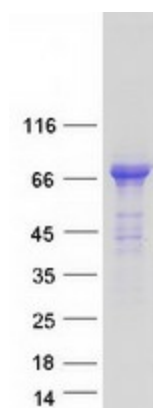
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	63.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_116170
Locus ID:	84867
UniProt ID:	P54829 , Q86TL3
RefSeq Size:	2965
Cytogenetics:	11p15.1
RefSeq ORF:	1695
Synonyms:	PTPSTEP; STEP; STEP61
Summary:	May regulate the activity of several effector molecules involved in synaptic plasticity and neuronal cell survival, including MAPKs, Src family kinases and NMDA receptors. [UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	MAPK signaling pathway

Product images:

Coomassie blue staining of purified PTPN5 protein (Cat# [TP317371]). The protein was produced from HEK293T cells transfected with PTPN5 cDNA clone (Cat# [RC217371]) using MegaTran 2.0 (Cat# [TT210002]).