

## Product datasheet for **TP317371M**

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217371 representing NM_032781 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPIVMEALDEAEGQLQDSQREMPPPPPPSPSPDPAQ  
KPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSGYGHIWSQNATNLVSSLLTLLKQLEPTAWLDSGT  
WGVPSLLLVLVSLVGLVLTTLVWHLLRTPPEPTPLPPEDRRQSVSRQPSFTYSEWMEEKIEDDFLDLP  
VPETPVFDCVMDIKPEADPTSLTVKSMGLQERRGSNVSLTDMCTPGCNEEGFGYLMSPREESAREYLLS  
ASRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDIPGLVRKNRYKTILPNPHSRVCLTSPDPDDPL  
SSYINANYIRGYGGEEKVYIATQGPIVSTVADFWRMWWQEHTPIIVMITNIEEMNEKCTEYWPEEQVAYD  
GVEITVQKVIHTEDYRLRLISLKSQTEERGLKHYWFTSWPDQKTPDRAPLLHLVREVEEAAQQEGPHCA  
PIIVHCSAGIGRTGCFIATSICCQQLRQEGVVDILKTTCCQLRQDRGGMIQTCEQYQFVHHVMSLYEKQLS  
HQSPE

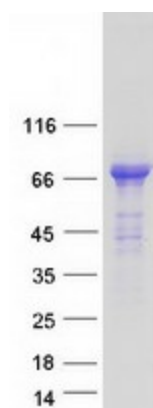
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

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.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_116170</a>
<b>Locus ID:</b>	84867
<b>UniProt ID:</b>	<a href="#">P54829</a> , <a href="#">Q86TL3</a>
<b>RefSeq Size:</b>	2965
<b>Cytogenetics:</b>	11p15.1
<b>RefSeq ORF:</b>	1695
<b>Synonyms:</b>	PTPSTEP; STEP; STEP61
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Phosphatase, Transmembrane
<b>Protein Pathways:</b>	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]).