

## Product datasheet for PH317371

### PTPN5 (NM\_032781) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PTPN5 MS Standard C13 and N15-labeled recombinant protein (NP_116170)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217371
Predicted MW:	63.4 kDa
Protein Sequence:	>RC217371 representing NM_032781 Red=Cloning site Green=Tags(s)

MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPIVMEALDEAEGLQDSQREMPPPPPSPSDPAQ  
KPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSYGHYIWSQATNLVSSLLTLLKQLEPTAWLDSGT  
WGVPSLLLVLFSVGLVLTTLVWHLRTPPEPPTLPPEDRRQSVSRQPSFTYSEWMEEKIEDDFLDLDP  
VPETPVFDCVMDIKPEADPTSLTVKSMGLQERRGSNVSLTDMCTPGCNEEGFGYLMSPREESAREYLLS  
ASRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDIPGLVRKNRYKTILPNPHSRVCLTSPDPDDL  
SSYINANYIRGYGGEKVYIATQGPVSTVADFWRMVWQEHTPIIVMITNIEEMNEKCTEYWPPEQVAYD  
GVEITVQKVIHTEDYRLRLISLKSQTEERGLKHYWFTSWPDQKTPDRAPLLHLVREVEAAQQEGPHCA  
PIIVHCSAGIGRTGCFIATSICCCQLRQEGVVDILKTTCCQLRQDRGGMIQTCEQYQFVHHVMSLYEKQLS  
HQSPE

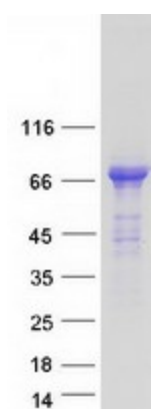
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_116170</a>
RefSeq Size:	2965
RefSeq ORF:	1695



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<b>Synonyms:</b>	PTPSTEP; STEP; STEP61
<b>Locus ID:</b>	84867
<b>UniProt ID:</b>	<a href="#">P54829</a> , <a href="#">Q86TL3</a>
<b>Cytogenetics:</b>	11p15.1
<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]).