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## PTPN2 Protein (Transcript Variant 3) (Myc-DYKDDDDK Tag)



Image



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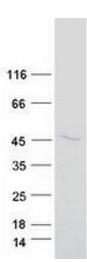
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Quantity:	20 μg
Target:	PTPN2
Protein Characteristics:	Transcript Variant 3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPN2 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	Recombinant human PTPN2 / TCPTP (transcript variant 3) protein expressed in HEK293
	cells.  • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	PTPN2
Alternative Name:	Ptpn2,tcptp (PTPN2 Products)
Background:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP)
	family. Members of the PTP family share a highly conserved catalytic motif, which is essential

for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of

Target Details	
	cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling.  Multiple alternatively spliced transcript variants encoding different isoforms have been found.  Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported.
Molecular Weight:	40.8 kDa
NCBI Accession:	NP_536348
Pathways:	EGFR Signaling Pathway, Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process, Platelet-derived growth Factor Receptor Signaling
Application Details	
Application Notes:	Recombinant human proteins can be used for:  Native antigens for optimized antibody production  Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.



## **Western Blotting**

Image 1. Validation with Western Blot