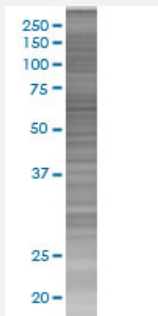


# PTPN6 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005777-T01

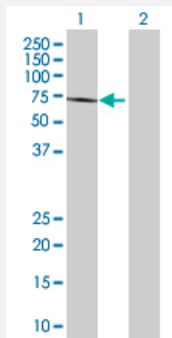
Size 100 uL

## Applications



### SDS-PAGE Gel

PTPN6 transfected lysate.



### Western Blot

Lane 1: PTPN6 transfected lysate ( 67.6 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-PTPN6 full-length

**Host** Human

**Theoretical MW (kDa)** 67.6

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-PTPN6 antibody ([H00005777-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 PTPN6 transfected lysate.  
 Western Blot  
 Lane 1: PTPN6 transfected lysate ( 67.6 KDa)  
 Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — PTPN6

**Entrez GeneID**[5777](#)**GeneBank Accession#**[NM\\_002831](#)**Protein Accession#**[NP\\_002822](#)**Gene Name**

PTPN6

**Gene Alias**

HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1

**Gene Description**

protein tyrosine phosphatase, non-receptor type 6

**Omim ID**[176883](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq]

**Other Designations**

hematopoietic cell phosphatase|hematopoietic cell protein-tyrosine phosphatase|protein-tyrosine phosphatase 1C

## Pathway

- [Adherens junction](#)

- [B cell receptor signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neuroblastoma](#)