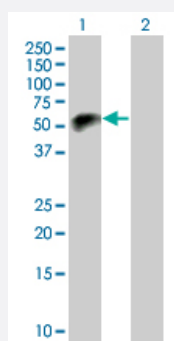


PTPN7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005778-T01

Size 100 uL

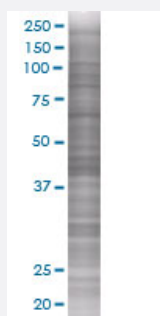
Applications



Western Blot

Lane 1: PTPN7 transfected lysate (39.6 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

PTPN7 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PTPN7 full-length
Host	Human
Theoretical MW (kDa)	39.71
Interspecies Antigen Sequence	Mouse (92); Rat (91)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PTPN7 antibody ([H00005778-B01](#)) by Western Blots.
Western Blot
Lane 1: PTPN7 transfected lysate (39.6 KDa)
Lane 2: Non-transfected lysate.
SDS-PAGE Gel
PTPN7 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 — PTPN7

Entrez GeneID[5778](#)**GeneBank Accession#**[BC001746](#)**Protein Accession#**[AAH01746](#)**Gene Name**

PTPN7

Gene Alias

BPTP-4, HEPTP, LC-PTP, LPTP, PTPNI

Gene Description

protein tyrosine phosphatase, non-receptor type 7

Omim ID[176889](#)**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. This gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000034115|dual specificity phosphatase 1|hematopoietic protein-tyrosine phosphatase|protein-tyrosine phosphatase, nonreceptor-type, stress induced

Pathway

- [MAPK signaling pathway](#)