



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## PTPN1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005770-T02

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

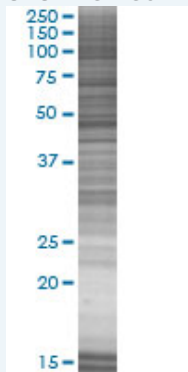
**Plasmid:** pCMV-PTPN1 full-length

**Host:** Human

**Theoretical MW (kDa):** 50

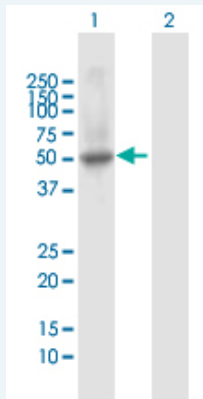
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-PTPN1 antibody (H00005770-D01) by Western Blots.

#### SDS-PAGE Gel



PTPN1 transfected lysate.

#### Western Blot



Lane 1: PTPN1 transfected lysate ( 50.00 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.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [5770](#)

GeneBank [NM\\_002827.2](#)  
Accession#:

Protein [NP\\_002818.1](#)  
Accession#:

Gene Name: PTPN1

Gene Alias: PTP1B

Gene Description: protein tyrosine phosphatase, non-receptor type 1

Omim ID: [176885](#), [609830](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is the founding member of the protein tyrosine phosphatase (PTP) family, which was isolated and identified based on its enzymatic activity and amino acid sequence. PTPs catalyze the hydrolysis of the phosphate monoesters specifically on tyrosine residues. 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 cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP has been shown to act as a negative regulator of insulin signaling by dephosphorylating the phosphotyrosine residues of insulin receptor kinase. This PTP was also reported to dephosphorylate epidermal growth factor receptor kinase, as well as JAK2 and TYK2 kinases, which implicated the role of this PTP in cell growth control, and cell response to interferon stimulation. [provided by RefSeq]

Other Designations: OTTHUMP00000031266,non-receptor tyrosine phosphatase 1,protein tyrosine phosphatase 1B,protein tyrosine phosphatase, placental

### Gene Pathway

[Adherens junction](#) [Insulin signaling pathway](#)

### Related Disease

[Albuminuria](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Arteriosclerosis](#) [Atherosclerosis](#) [Atherosclerosis](#) [Atrophy](#) [Calcinosis](#) [Cardiomyopathy](#), [Hypertrophic](#) [Cardiovascular Diseases](#) [Cerebrovascular Disorders](#) [Coronary Artery Disease](#) [Coronary Disease](#) [Diabetes Complications](#) [Diabetes Mellitus](#) [Diabetes Mellitus, Type 2](#) [Diabetic Angiopathies](#) [Diabetic Retinopathy](#) [Dyslipidemias](#)

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