



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PTPN6 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005777-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human PTPN6 full-length ORF (AAH07667, 1 a.a. - 597 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLSRGWFHRLDLSGLDAETLLKGRGVHGSFLARPSRK  
NQGDFLSVVRVGDQVTHIRIQNSGDFYDLYGGEKFAT  
LTELVEYYTQQQGVLDQRDGTIIHLKYPLNCSPTSER  
WYHGMSGGQAETLLQAKGEPWTFVRESLSQPGDF  
VLSVLSQPKAGPGSPLRVTHIKVMCEGGRYTVGGLE  
TFDSLTDLVEHFKKTGIEEASGAFVYLRQPYATRVA  
ADIENRVLELNKKQES EDTAKAGFWEEFESLQKQEVK  
NLHQRLEGQRPENKGNRYKNILPFDHSRVILQGRDS  
NIPGSDYINANYIKNQLLGPDENAKTYIASQGCLEATVN  
DFWQMAWQENSRVIVMTTREVVEKGRNKCVPYWPEV  
GMQRAYGPYSVTNCGEHDTEYKLRTLQVSPLDNGD  
LIREIWHYQYLSWPDHGVPEPGGVLSFLDQINQRQE  
SLPHAGPIIVHCSAGIGRTGTIIVIDMLMENISTKGLDCDI  
DIQKTIQMVRQRSGMVQTEAQYKFIYVAIAQFIETTKK  
KLEVLQSQKQSEYGNITYPPAMKNAHAKASRTSSK  
HKEDVYENLHTKNKREEKVKKQRSADKEKSKGSLKRK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 91.19

**Applications:** AP, Array, ELISA, PA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5777

**Gene Symbol:** PTPN6

**Gene Alias:** HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1

**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]