



# 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

### PTPN11 (Human) Recombinant Protein (P03)

**Catalog Number:** H00005781-P03

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

**Product Description:** Human PTPN11 full-length ORF (AAH08692.1, 1 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTSRRWFHPNITGVEAENLLLTRGVDGSFLARPSKSN  
PGDFTLSVRRNGAVTHIKIQNTGDYYDLYGGEKFATLA  
ELVQYYMEHHGQLKEKNGDVIELKYPLNCADPTSERW  
FHGHLSGKEAEKLLTEKGKHSFLVRESQSHPGDFVL  
SVRTGDDKGESNDGKSKVTHVMIRCQELKYDVGGGE  
RFDSLTDLVEHYKKNPMVETLGTVLQLKQPLNTRINA  
AEIESRVRELSKLAETTDKVKQGFWEFETLQQQECK  
LLYSRKEGQRQENKKNRYKNILPFDHTRVVLHDGDP  
NEPVSDYINANIIMPEFETKCNNSPKKSYIATQGCLQN  
TVNDFWRMVFQENS RVIVMTTKEVERGKSKCVKYWP  
DEYALKEYGVMRVRNVKESAAHDYTLRELKLSKVGQG  
NTERTVWQYHFRTWPDHGVPSDPGGVLDLFLEEVHKK  
QESIMDAGPVVVHCR

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

**Theoretical MW (kDa):** 79.2

**Applications:** AP, Array, ELISA, 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:** 5781

**Gene Symbol:** PTPN11

**Gene Alias:** BPTP3, CFC, MGC14433, NS1, PTP-1D, PTP2C, SH-PTP2, SH-PTP3, SHP2

**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 PTP contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mutations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia. [provided by RefSeq]