



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PTPRN2 (Human) Recombinant Protein (Q01)

**Catalog Number:** H00005799-Q01

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

**Product Description:** Human PTPRN2 partial ORF ( NP\_002838, 108 a.a. - 212 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

ELADLPKTYLRRPEASSPARPSKHSVGSERRYSREGG  
AALANALRRHLPFLEALSQAPASDVLARTHTAQDRPP  
AEGDDRFSESILTYVAHTSALTYPPGPRTQL

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

**Theoretical MW (kDa):** 37.29

**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:** 5799

**Gene Symbol:** PTPRN2

**Gene Alias:** IA-2beta, IAR, ICAAR, PTPRP

**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 possesses an extracellular region, a single transmembrane region, and a single intracellular catalytic domain, and thus represents a receptor-type PTP. The catalytic domain of this PTP is most closely related to PTPRN/IA-2beta. This PTP and PTPRN are both found to be major autoantigens associated with insulin-dependent diabetes mellitus. Three alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq]