



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### NPPB (Human) Recombinant Protein (P01)

**Catalog Number:** H00004879-P01

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

**Product Description:** Human NPPB full-length ORF (AAH25785, 1 a.a. - 134 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDPQTAPSRALLLLLFLHLAFLGGRSHPLGSPGSASD  
SETSGLQEQRNHLQGLSELQVEQTSLEPLQESPRPT  
GVWKSREVATEGIRGHRKMLVLYTLRAPRSPKMQVQGS  
GCFGRKMDRISSSSGLGCKVLRH

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

**Theoretical MW (kDa):** 40.48

**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:** 4879

**Gene Symbol:** NPPB

**Gene Alias:** BNP

**Gene Summary:** This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and

a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq]

**References:**

1. BNP directly immunoregulates the innate immune system of cardiac transplant recipients in vitro. Shaw SM, Fildes JE, Puchalka CM, Basith M, Yonan N, Williams SG. *Transpl Immunol.* 2009 Jan;20(3):199-202. Epub 2008 Sep 21.