



# 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

### PTGER1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005731-P01

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

**Product Description:** Human PTGER1 full-length ORF ( NP\_000946.2, 1 a.a. - 402 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MSPCGPLNLSLAGEATTCAAPWVPNTSAVPPSGASPA  
LPIFSMTLGAVSNLLALALLAQAAGRLRRRRSAATFLLF  
VASLLATDLAGHVIPGALVLRLYTAGRAPAGGACHFLG  
GCMVFFGLCPLLLGCGMAVERCVGTRPLLHAARVSV  
ARARLALAAVAVALAVALLPLARVGRYELQYPGTWC  
FIGLGPPGGWRQALLAGLFASLGLVALLAALVCNTLSG  
LALLRARWRRRRSRPPASGPDSRRRWGAHGPRSA  
SASSASSIASASTFFGGSRSSGSARRARAHDEVEMVGQ  
LVGIMVVSCICWSPMLVLVALAVGGWSSTSLQRPLFLA  
VRLASWNQILDWPVYILLRQAVLRQLLRLLPPRAGAKG  
GPAGLGLTPSAWEASSLRSSRHSGLSHF
```

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

**Theoretical MW (kDa):** 68.2

**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:** 5731

**Gene Symbol:** PTGER1

**Gene Alias:** EP1

**Gene Summary:** The protein encoded by this gene is a member of the G protein-coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin. [provided by RefSeq]