



# 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

### PTGDR (Human) Recombinant Protein

**Catalog Number:** H00005729-G01

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

**Product Description:** Human PTGDR full-length ORF (NP\_000944.1) recombinant protein without tag.

**Sequence:**

MKSPFYRCQNTTSVEKGN SAVMGGVLFSTGLLGNLLA  
LGLLARSGLGWCSRRPLRPLPSVFYMLVCGLTVDLL  
GKCLLSPVVLAAYAQNRSRLRVLAPALDNSLCQAF  
MSFFGLSSTLQLLAMALECWLSLGHPPFFYRRHITLRLG  
ALVAPVVSASFSLAFCALPFMGFGKFVQYCPGTWCFIQ  
MVHEEGSLSVLGYSVLYSSLMALLVLATVLCNLGAMR  
NLYAMHRRRLQRHPRSTRDCAEPRADGREASPQPLE  
ELDLLLLALMTVLFTMCSLPVIYRAYYGAFKDVKEKN  
RTSEEAE DLRALRFLSVISIVDPWIFIIFRSPVFRIFH  
KIFIRPLRYRSRCSNSTNMESSL

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

**Theoretical MW (kDa):** 40.3

**Applications:** AP

(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

**Form:** Liquid

**Preparation Method:** [in vitro wheat germ expression system with proprietary liposome technology](#)

**Purification:** None

**Recommend Usage:** Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

**Storage Buffer:** 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

**Entrez GeneID:** 5729

**Gene Symbol:** PTGDR

**Gene Alias:** AS1, ASRT1, DP, DP1, MGC49004

**Gene Summary:** The protein encoded by this gene is a G-protein-coupled receptor. It has been shown to function as a prostanoid DP receptor. The activity of this receptor is mainly mediated by G-S proteins that stimulate adenylate cyclase resulting in an elevation of intracellular cAMP and Ca<sup>2+</sup>. Knockout studies in mice suggest that the ligand of this receptor, prostaglandin D<sub>2</sub> (PGD<sub>2</sub>), functions as a mast cell-derived mediator to trigger asthmatic responses. [provided by RefSeq]