



# 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

### PTGIS (Human) Recombinant Protein (P01)

**Catalog Number:** H00005740-P01

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

**Product Description:** Human PTGIS full-length ORF ( NP\_000952.1, 1 a.a. - 500 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAWAALLGLLAALLLLLLLRRRTRRPGEPLDLGSIP  
WLYALDFGKDAASFLTRMKEKHGDIFTILVGGRYVTV  
LLDPHSYDAVVWEPRTRLDFHAYAIFLMERIFDVQLPH  
YSPSDEKARMKLTLLHRELQALTEAMYTNLHAVLLGD  
ATEAGSGWHEMGLLDFSYSFLLRAGYLTLYGIEALPRT  
HESQAQDRVHSADVFTFRQLDRLLPKLARGSLSVG  
KDHMCVKSRLWKLSPARLARRAHRKWLSEYLLHL  
EEMGVSEEMQARALVLQLWATQGNMGPAAFWLLFL  
LKNPEALAAVRGELESILWQAEQPVSTTTLPQKVLDS  
TPVLDSVLSESLRLTAAPFITREVVVDLAMPADGREF  
NLRRGDRLLFPFLSPQRDPEIYTDPEVFKYNRFLNPD  
GSEKKDFYKDGKRLKNYNMPWGAGHNHCLGRSYAV  
NSIKQFVFLVLVHLDLELINADVEIPEFDLSRYGFGLMQ  
PEHDVPVRYRIRP

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

**Theoretical MW (kDa):** 83.5

**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:** 5740

**Gene Symbol:** PTGIS

**Gene Alias:** CYP8, CYP8A1, MGC126858, MGC126860, PGIS, PTGI

**Gene Summary:** This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. However, this protein is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostglandin H2 to prostacyclin (prostaglandin I2), a potent vasodilator and inhibitor of platelet aggregation. An imbalance of prostacyclin and its physiological antagonist thromboxane A2 contribute to the development of myocardial infarction, stroke, and atherosclerosis. [provided by RefSeq]