



# 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

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## PTGDS 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005730-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

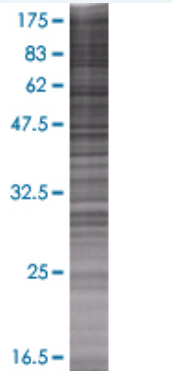
**Plasmid:** pCMV-PTGDS full-length

**Host:** Human

**Theoretical MW (kDa):** 21.01

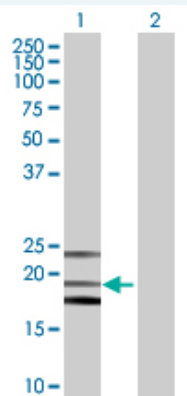
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-PTGDS antibody ([H00005730-B01](#)) by Western Blots.

#### SDS-PAGE Gel



PTGDS transfected lysate.

#### Western Blot



Lane 1: PTGDS transfected lysate ( 21.01 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

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

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [5730](#)

GeneBank Accession#: [NM\\_000954.5](#)

Protein Accession#: [NP\\_000945.3](#)

Gene Name: PTGDS

Gene Alias: LPGDS,PDS,PGD2,PGDS,PGDS2

Gene Description: prostaglandin D2 synthase 21kDa (brain)

Omim ID: [176803](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to prostaglandin D2 (PGD2). PGD2 functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD2 is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This gene is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene suggest that this gene may be also involved in the regulation of non-rapid eye movement sleep. [provided by RefSeq]

**Other Designations:** OTTHUMP00000022638,PGD2 synthase,beta-trace protein,glutathione-independent PGD synthase,lipocalin-type prostaglandin D synthase,prostaglandin D synthase,prostaglandin D2 synthase (21kD, brain),prostaglandin H2 D-isomerase,prostaglandin-H2 D-isomerase

### Gene Pathway

[Arachidonic acid metabolism](#) [Metabolic pathways](#)

### Related Disease

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