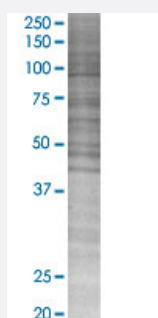


PTGES 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009536-T02

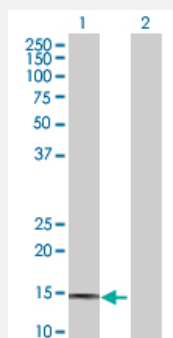
Size 100 uL

Applications



SDS-PAGE Gel

PTGES transfected lysate.



Western Blot

Lane 1: PTGES transfected lysate (17.10 kDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PTGES full-length
Host	Human
Theoretical MW (kDa)	17.1
Interspecies Antigen Sequence	Mouse (79); Rat (79)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PTGES antibody ([H00009536-D01P](#)) by Western Blots.
SDS-PAGE Gel
PTGES transfected lysate.
Western Blot
Lane 1: PTGES transfected lysate (17.10 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.

Applications

- Western Blot

Gene Info — PTGES

Entrez GeneID

[9536](#)

GeneBank Accession#

[NM_004878.3](#)

Protein Accession#

[NP_004869.1](#)

Gene Name

PTGES

Gene Alias

MGC10317, MGST-IV, MGST1-L1, MGST1L1, MPGES, PGES, PIG12, PP102, PP1294, TP53I12, mPGES-1

Gene Description

prostaglandin E synthase

Omim ID

[605172](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expression of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses. [provided by RefSeq]

Other Designations

MGST1-like 1|OTTHUMP00000022345|glutathione S-transferase 1-like 1|microsomal glutathione S-transferase 1-like 1|microsomal prostaglandin E synthase-1|p53-induced apoptosis protein 12|p53-induced gene 12|tumor protein p53 inducible protein 12

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infant](#)

- [Infection](#)
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- [Lymphoma](#)
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- [Premature Birth](#)
- [Skin Diseases](#)
- [Stroke](#)