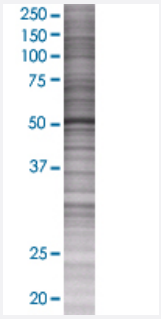
PTGIS 293T Cell Transient Overexpression Lysate(Denatured)

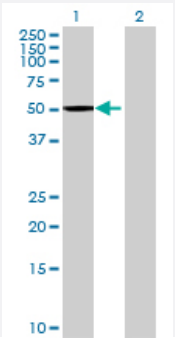
Catalog # H00005740-T01 Size 100 uL

Applications



SDS-PAGE Gel

PTGIS transfected lysate.



Western Blot

Lane 1: PTGIS transfected lysate (55.11 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PTGIS full-length
Host	Human
Theoretical MW (kDa)	55.11
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PTGIS antibody (H00005740-B01) by Western Blots. SDS-PAGE Gel PTGIS transfected lysate. Western Blot Lane 1: PTGIS transfected lysate (55.11 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 — PTGIS

Entrez GeneID	5740
GeneBank Accession#	NM_000961.3
Protein Accession#	NP_000952.1
Gene Name	PTGIS
Gene Alias	CYP8, CYP8A1, MGC126858, MGC126860, PGIS, PTGI
Gene Description	prostaglandin I2 (prostacyclin) synthase
Omim ID	145500 601699
Gene Ontology	Hyperlink
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
Other Designations	OTTHUMP00000031777|cytochrome P450, family 8, subfamily A, polypeptide 1

Pathway

- Arachidonic acid metabolism
- Metabolic pathways

Disease

- Adenocarcinoma
- Adenomatous Polyps
- Alzheimer disease
- Atherosclerosis
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Cerebral Infarction
- Chronic Disease
- Colon cancer
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus
- Ductus Arteriosus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hypertension
- Infant
- Kidney Failure
- Liver Cirrhosis
- Lung Neoplasms
- Metabolic Syndrome X
- Myocardial Infarction

- Neoplasms
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pulmonary Disease
- Pulmonary Embolism
- Renal Insufficiency
- Respiratory Syncytial Virus Infections
- Respiratory Tract Infections
- Stroke
- Werner syndrome