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- Trockeneiszuschlag
- Gefahrgutzuschlag
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PTGS1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005742-T01

規格 : [100 uL]

List All

Specification

Transfected Cell Line: 293T

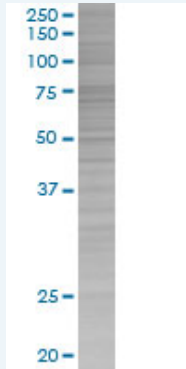
Plasmid: pCMV-PTGS1 full-length

Host: Human

Theoretical MW (kDa): 68.7

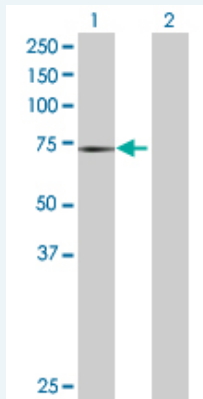
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PTGS1 antibody ([H00005742-B01](#)) by Western Blots.

SDS-PAGE Gel



PTGS1 transfected lysate.

Western Blot



Lane 1: PTGS1 transfected lysate (68.7 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

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [5742](#)

GeneBank [BC029840.1](#)
Accession#:

Protein =
Accession#:

Gene Name: PTGS1

Gene Alias: COX1,COX3,PCOX1,PGG/HS,PGHS-1,PGHS1,PHS1,PTGHS

Gene Description: prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)

Omim ID: [176805](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes PTGS1, which regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. PTGS1 is thought to be involved in cell-cell signaling and maintaining tissue homeostasis. Alternative splicing of this gene generates two transcript variants. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors. [provided by RefSeq]

Other Designations: OTTHUMP00000022052,OTTHUMP00000022053,prostaglandin G/H synthase and cyclooxygenase,prostaglandin-endoperoxide synthase 1

Gene Pathway

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

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