

Recombinant Human PTGES3 293 Cell Lysate

Cat. No. PTGES3-2712HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for prostaglandin E synthase 3 (cytosolic) (PTGES3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PTGES3 prostaglandin E synthase 3 (cytosolic) [Homo sapiens]

Official Symbol

PTGES3

Synonyms

PTGES3; prostaglandin E synthase 3 (cytosolic); prostaglandin E synthase 3; cPGES; p23; TEBP; Hsp90 co-chaperone; telomerase-binding protein p23; progesterone receptor complex p23; cytosolic prostaglandin E synthase; cytosolic prostaglandin E2 synthase; unactive progesterone receptor, 23 kD; P23;

Gene ID

10728

mRNA Refseq

NM_006601

Protein Refseq

NP_006592

MIM

607061

UniProt ID

Q15185

Chromosome Location

12q13.13

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins,

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organism-specific biosystem; Prostanoid metabolism, organism-specific biosystem;
Regulation of Telomerase, organism-specific biosystem;

Function

isomerase activity; prostaglandin-E synthase activity; protein binding; telomerase
activity; unfolded protein binding;

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