

Recombinant Human HPGDS 293 Cell Lysate

Cat. No. HPGDS-5401HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hematopoietic prostaglandin D synthase (HPGDS) 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

HPGDS hematopoietic prostaglandin D synthase [Homo sapiens]

Official Symbol

HPGDS

Synonyms

HPGDS; hematopoietic prostaglandin D synthase; glutathione S transferase sigma; GSTS; H PGDS; PGDS; GST class-sigma; prostaglandin-H2 D-isomerase; glutathione S-transferase sigma; glutathione-dependent PGD synthase; glutathione-dependent PGD synthetase; hematopoietic prostaglandin D2 synthase; glutathione-requiring prostaglandin D synthase;

Gene ID

27306

mRNA Refseq

NM_014485

Protein Refseq

NP_055300

MIM

602598

UniProt ID

O60760

**Chromosome
Location**

4q22.2

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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prostanoid biosynthesis, organism-specific biosystem;

Function

calcium ion binding; glutathione transferase activity; isomerase activity; magnesium ion binding; prostaglandin-D synthase activity; protein homodimerization activity; transferase activity;

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