

Recombinant Human HPGDS

Cat. No. HPGDS-30587TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Prostaglandin D Synthase produced in <i>Saccharomyces cerevisiae</i> ; amino acids 1-199 , 23.3kDa.
Species	Human
ProteinLength	1-199 a.a.
Description	Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH ₂ to PGD ₂ and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes.
Form	Liquid
Purity	Immunogen affinity purified
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MPNYKLTYFNMRGRAEIIIRYIFAYLDIQYEDHRIEQADWP EIKSTLPFGKIPILEVDGL TLHQSLAIARYLTKNITDLA GNTEMEQCHVDAIVDTLDDFMSCFPWAEKKQDVKEQM F NELLTYNAPHLMQDLDTYLGGREWLIGNSVTWADFYWEIC STTLLVFKPDLLDNH

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PRLVTLRKKVQAIPAVANWIKRR PQTKL

Full Length

Full L.

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;

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;

Function

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

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