

Datasheet for ABIN7318567  
**HPGDS Protein**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	HPGDS
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Purpose:	Recombinant Human HPGDS/GSTS Protein
Sequence:	Met 1-Leu199
Characteristics:	Recombinant Human Hematopoietic Prostaglandin D Synthase is produced by our E.coli expression system and the target gene encoding Met1-Leu199 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	HPGDS
Alternative Name:	HPGDS/GSTS ( <a href="#">HPGDS Products</a> )
Background:	Background: Hematopoietic Prostaglandin D Synthase (HPGDS) belongs to the GST superfamily and Sigma family. HPGDS contains one GST C-terminal domain and one GST N-terminal domain. HPGDS is highly expressed in adipose tissue, macrophages, and placenta, and it exists in the form of homodimer in living body. HPGDS is a cytosolic enzyme that isomerizes

## Target Details

PGH(2). HPGDS is a bifunctional enzyme that catalyzes both the conversion of PGH<sub>2</sub> to PGD<sub>2</sub> and also shows low glutathione-peroxidase activity towards cumenehydroperoxide.

Synonym: Hematopoietic Prostaglandin D Synthase, H-PGDS, GST Class-Sigma, Glutathione S-Transferase, Glutathione-Dependent PGD Synthase, Glutathione-Requiring Prostaglandin D Synthase, Prostaglandin-H<sub>2</sub> D-Isomerase, HPGDS, GSTS, PGDS, PTGDS2

Molecular Weight: 23.6 kDa

UniProt: [O60760](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 200 mM NaCl, pH 7.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.