

# Recombinant Human HPGDS/GSTS Protein

Catalog Number:PKSH032528



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

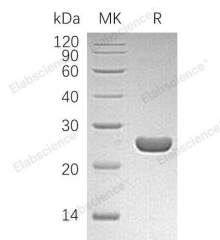
## Description

<b>Synonyms</b>	Hematopoietic Prostaglandin D Synthase;H-PGDS;GST Class-Sigma;Glutathione S-Transferase;Glutathione-Dependent PGD Synthase;Glutathione-Requiring Prostaglandin D Synthase;Prostaglandin-H2 D-Isomerase;HPGDS;GSTS;PGDS;PTGDS2
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Leu199
<b>Accession</b>	O60760
<b>Calculated Molecular Weight</b>	22.3 kDa
<b>Observed molecular weight</b>	26 kDa
<b>Tag</b>	None

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 200mM NaCl, pH 7.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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 PGH(2). HPGDS is a bifunctional enzyme that catalyzes both the conversion of PGH2 to PGD2 and also shows low glutathione-peroxidase activity towards cumenehydroperoxide.

## For Research Use Only

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