

## Recombinant Human HPGDS/GSTS Protein

**Catalog Number: PKSH032528**

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

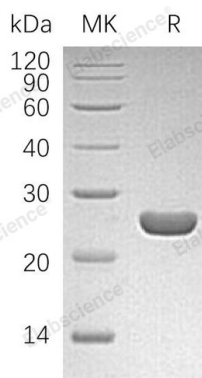
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human HPGDS;GSTS protein Met 1-Leu199
<b>Calculated MW</b>	22.3 kDa
<b>Observed MW</b>	26 kDa
<b>Accession</b>	O60760
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<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.

### 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<sub>2</sub>. 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.

### For Research Use Only

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