

Recombinant Human PGDS

Catalog No: CF57

Description	Recombinant Human Hematopoietic Prostaglandin D Synthase is produced by our E.coli expression system and the target gene encoding Met1-Leu199 is expressed.
Source	E. coli
Alternative name	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
Accession No.	O60760
Predicted Molecular Weight	22.3kDa
AP Molecular Weight	26kDa, reducing conditions.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 200mM NaCl, pH 7.0.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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.

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