

## 32-8173: Recombinant Human Hematopoietic Prostaglandin D Synthase/HPGDS/GSTS

**Gene :** HPGDS  
**Gene ID :** 27306  
**Uniprot ID :** O60760

### Description

Source: E. coli.

MW :23.6kD.

Recombinant Human Hematopoietic Prostaglandin D Synthase is produced by our E.coli expression system and the target gene encoding Met1-Leu199 is expressed. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris, 200mM NaCl, pH 7.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MPNYKLTYFNMRGRAEIIIRYIFAYLDIQYEDHRIEQADWPEIKSTLPFGKIPILEVDGLTLHQSLAIARYLTKNTDLA  
GNTEMEQCHVDAIVDTLDDFMSCFPWAEKKQDVKEQMFNELLTYNAPHLMQDLDTYLGGREWLIGNSVTWA  
DFYWEICSTLLVFKPDLLDNHPRLVTLRKKVQAIPAVANWIKRRPQTKL

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.