

**Recombinant Human Hematopoietic Prostaglandin D Synthase/HPGDS/GSTS Protein**

**Cat.NO.: TP05707**

3th Edition

**Synonyms:**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

**Description:**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.

**Form:**PBS

**Molecular Weight:**23.6 kDa

**Sequences:**Met 1-Leu199

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.