



# Recombinant Human Hematopoietic prostaglandin D synthase (HPGDS)

<b>Product Code</b>	CSB-YP017852HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O60760
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPNYKLTYFN MRGRAEIIRY IFAYLDIQYE DHRIEQADWP EIKSTLPFGK IPILEV DGLT LHQSLAIARY LTKNTDLAGN TEMEQCHVDA IVDTLDDFMS CFPWAEKKQD VKEQMFNELL TYNAPHLMQD LDTYLG GREW LIGNSVTWAD FYWEICSTTL LVFKPDLLDN HPRLVTLRKK VQAIPAVANW IKRRPQTKL
<b>Source</b>	Yeast
<b>Target Names</b>	HPGDS
<b>Protein Names</b>	Recommended name: Hematopoietic prostaglandin D synthase Short name= H-PGDS EC= 5.3.99.2 Alternative name(s): GST class-sigma Glutathione S-transferase EC= 2.5.1.18 Glutathione-dependent PGD synthase Glutathione-re
<b>Expression Region</b>	1-199
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH <sub>2</sub> to PGD <sub>2</sub> and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.