Recombinant Human HPGDS Protein, His-tagged

Cat. No. HPGDS-165H **Lot. No.** (See product label)

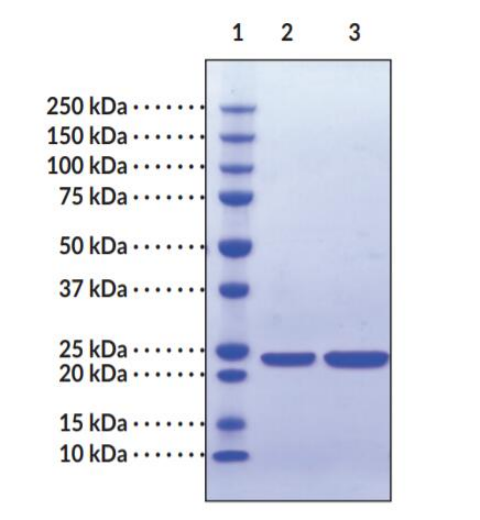
SPECIFICATION

Product Overview	Active Recombinant Human HPGDS Protein with a N-terminal His tag was purified from an E. coli overexpression system.
Species	Human
Source	E.coli
Description	Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH2 to PGD2 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.
Molecular Mass	24.3 kDa
Purity	≥95% estimated by SDS-PAGE
Unit Definition	One unit of enzyme produces 1μmole of PGD2 per minute at 25 centigrade in 100 mM Tris-HCl, pH 8.0, 1 mM GSH, 1 mM magnesium chloride and 40 μM PGH.
Storage Buffer	50 mM sodium phosphate, pH 7.2, containing 20% glycerol, 100 mM sodium chloride, 1 mM DTT, and 0.5 mM EDTA

GENE INFORMATION

Gene Name	HPGDS hematopoietic prostaglandin D synthase [Homo sapiens (human)]

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Official Symbol	HPGDS
Synonyms	HPGDS; hematopoietic prostaglandin D synthase; GSTS; PGD2; PGDS; GSTS1; GSTS1-1; hematopoietic prostaglandin D synthase; GST class-sigma; epididymis secretory sperm binding protein; glutathione S-transferase sigma; glutathione-dependent PGD synthase; glutathione-dependent PGD synthetase; glutathione-requiring prostaglandin D synthase; hematopoietic prostaglandin D2 synthase; prostaglandin-H2 D-isomerase; EC 2.5.1.18; EC 5.3.99.2
Gene ID	27306
mRNA Refseq	NM_014485
Protein Refseq	NP_055300
MIM	602598
UniProt ID	O60760
SDS-PAGE Analysis of hH-PGDS	

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Lane 1: MW Markers
Lane 2: hH-PGDS(2 μg)
Lane 3: hH-PGDS(4 μg)

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