

Recombinant Human HPGDS Protein

Cat. No. HPGDS-314H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPGDS was expressed in E. coli.
Species	Human
Source	E.coli
Description	Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH ₂ to PGD ₂ 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.
Form	Supplied as a 0.2 μM filtered solution of 20mM Tris, 200mM NaCl, pH 7.0
Molecular Mass	23.6kD
AA Sequence	GSHMPNYKLTYFNMGRGAEIIRYIFAYLDIQYEDHRIEQADWPEIKSTLPFGKIPILEVD GLTLHQSLAIARYLTKNNTDLAGNTEMEQCHVDAIVDTLDDFMSCFPWAEKKQDVKE QMFNELLTYNAPHLMQDLDTYLGGREWLIGNSVTWADFYWEICSTTLLVFKPDLLD NHPRLVTLRKKVQAIPAVANWIKRRPQTKL
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

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Gene Name	HPGDS hematopoietic prostaglandin D synthase [Homo sapiens]
Official Symbol	HPGDS
Synonyms	HPGDS; hematopoietic prostaglandin D synthase; glutathione S transferase sigma; GSTS; H PGDS; PGDS; GST class-sigma; prostaglandin-H2 D-isomerase; glutathione S-transferase sigma; glutathione-dependent PGD synthase; glutathione-dependent PGD synthetase; hematopoietic prostaglandin D2 synthase; glutathione-requiring prostaglandin D synthase;
Gene ID	27306
mRNA Refseq	NM_014485
Protein Refseq	NP_055300
MIM	602598
UniProt ID	O60760

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