Recombinant Human HPGDS, His-tagged

Cat. No. HPGDS-360H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human PGDS (O60760) (Met1-Leu199) was expressed with a polyhistide tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu199
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human PGDS consists of 205 amino acids and predicts a molecular mass of 24.2 KDa. It migrates as an approximately 25-29 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

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
Chromosome Location	4q22.2
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; prostanoid biosynthesis, organism-specific biosystem;
Function	calcium ion binding; glutathione transferase activity; isomerase activity; magnesium ion binding; prostaglandin-D synthase activity; protein homodimerization activity;

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	transferase activity;

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