Recombinant Human HPGDS/GSTS Protein

Catalog Number:PKSH032528

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Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

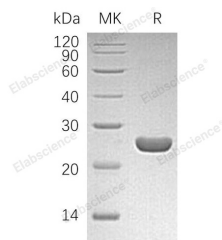|	
Synonyms	Hematopoietic Prostaglandin D Synthase;H-PGDS;GST Class-Sigma;Glutathione S-Transferase;Glutathione-Dependent PGD Synthase;Glutathione-Requiring Prostaglandin D Synthase;Prostaglandin-H2 D-Isomerase;HPGDS;GSTS;PGDS;PTGDS2
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu199
Accession	O60760
Calculated Molecular Weight	22.3 kDa
Observed molecular weight	26 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, pH 7.0.
Reconstitution	Not Applicable

Data

> 95 % as determined by reducing SDS-PAGE.

Background

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.

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