

[Go to Product page](#)

## Datasheet for ABIN1692117 HPGDS Protein (AA 1-199)

### Overview

Quantity:	50 µg
Target:	HPGDS
Protein Characteristics:	AA 1-199
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human Hematopoietic Prostaglandin D Synthase/HPGDS/GSTS
Sequence:	MPNYKLTYFN MRGRAEIIRY IFAYLDIQYE DHRIEQADWP EIKSTLPFGK IPILEVDGLT LHQSLAIARY LTKNTDLAGN TEMEQCHVDA IVDTLDDFMS CFPWAEKKQD VKEQMFNELL TYNAPHLMQD LDTYLGGREW LIGNSVTWAD FYWEICSTTL LVFKPDLLDN HPRLVTLRKK VQAIPAVANW IKRRPQTKL
Characteristics:	Recombinant Human Hematopoietic Prostaglandin D Synthase/HPGDS/GSTS
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

### Target Details

Target:	HPGDS
Alternative Name:	Hematopoietic Prostaglandin D Synthase ( <a href="#">HPGDS Products</a> )

## Target Details

Background:	<p>Recombinant Human Hematopoietic Prostaglandin D Synthase/HPGDS is produced with our E. coli expression system. The target protein is expressed with sequence (Pro2-Leu199) of Human PGDS.</p> <p>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.</p>
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Molecular Weight:	23.6 kDa
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UniProt:	<a href="#">O60760</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 200 mM NaCl, pH 7.0.
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Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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Storage:	-80 °C
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Storage Comment:	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
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Expiry Date:	6 months
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