

Datasheet for ABIN7548303
HPGDS Protein (AA 1-199) (His tag)



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Overview

Quantity:	1 mg
Target:	HPGDS
Protein Characteristics:	AA 1-199
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPGDS protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat HPGDS Protein expressed in mammalian cells.
Sequence:	<p>MPNYKLTYFN MRGRAEIIRY IFAYLDIQYE DHRIEQADWP EIKSTLPFGK IPILEVDGLT</p> <p>LHQS LAIARY LTKNTDLAGN TEMEQCHVDA IVDTLDDFMS CFPWAEKKQD VKEQMFNELL</p> <p>TYNAPHLMQD LDTYLG GREW LIGNSVTWAD FYWEICSTTL LVFKPDLLDN HPRLVTLRKK</p> <p>VQAIPAVANW IKRRPQTKL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HPGDS
Alternative Name:	HPGDS (HPGDS Products)
Background:	<p>Hematopoietic prostaglandin D synthase (H-PGDS) (EC 5.3.99.2) (GST class-sigma) (Glutathione S-transferase) (EC 2.5.1.18) (Glutathione-dependent PGD synthase) (Glutathione-requiring prostaglandin D synthase) (Prostaglandin-H2 D-isomerase),FUNCTION: Bifunctional enzyme which catalyzes both the conversion of PGH2 to PGD2, a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation, and the conjugation of glutathione with a wide range of aryl halides and organic isothiocyanates. Also exhibits low glutathione-peroxidase activity towards cumene hydroperoxide.</p> <p>{ECO:0000269 PubMed:10824118, ECO:0000269 PubMed:11672424, ECO:0000269 PubMed:12244105, ECO:0000269 PubMed:12627223, ECO:0000269 PubMed:15113825, ECO:0000269 PubMed:16547010, ECO:0000269 PubMed:19939518, ECO:0000269 PubMed:9353279, ECO:0000269 PubMed:9425264}.</p>
Molecular Weight:	23.3 kDa
UniProt:	O60760

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months