

Datasheet for ABIN7551043
PTGIS Protein (AA 1-500) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTGIS
Protein Characteristics:	AA 1-500
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGIS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PTGIS Protein expressed in mammalian cells.
Sequence:	<p>MAWAALLGLL AALLLLLLLS RRRTRRPGEP PLDLGSIPWL GYALDFGKDA ASFLTRMKEK HGDIFTILVG GRYVTVLLDP HSYDAVVWEP RTRLDFHAYA IFLMERIFDV QLPHYSPSDE KARMKLTLLH RELQALTEAM YTNLHAVLLG DATEAGSGWH EMGLLDFSYS FLLRAGYTLT YGIEALPRTH ESQAQDRVHS ADVFHTFRQL DRLLPKLARG SLSVGDKDHM CSVKSRLWKL LSPARLARRA HRSKWLESYL LHLEEMGVSE EMQARALVLQ LWATQGNMGP AAFWLLLLFLL KNPEALAAVR GELESILWQA EQPVSQTTTL PQKVLDSTPV LDSVLSESLR LTAAPFITRE VVVDLAMPMA DGREFNLRG DRLLLPFLS PQRDPEIYTD PEVFKYNRFL NPDGSEKKDF YKDGKRLKNY NMPWGAGHNH CLGRSYAVNS IKQFVFLVLV HLDLELINAD VEIPEFDLSR YGFGMLMQPEH DVPVRYRIRP 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>

Product Details

Characteristics:

Key Benefits:

- 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.
- 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:

PTGIS

Alternative Name:

PTGIS ([PTGIS Products](#))

Background:

Prostacyclin synthase (EC 5.3.99.4) (Hydroperoxy icosatetraenoate dehydratase) (EC 4.2.1.152) (Prostaglandin I2 synthase),FUNCTION: Catalyzes the biosynthesis and metabolism of eicosanoids. Catalyzes the isomerization of prostaglandin H2 to prostacyclin (= prostaglandin I2), a potent mediator of vasodilation and inhibitor of platelet aggregation (PubMed:18032380, PubMed:25623425, PubMed:12372404, PubMed:15115769). Additionally, displays dehydratase activity, toward hydroperoxyeicosatetraenoates (HPETEs), especially toward (15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)-HPETE) (PubMed:17459323). {ECO:0000269|PubMed:12372404, ECO:0000269|PubMed:15115769, ECO:0000269|PubMed:17459323, ECO:0000269|PubMed:18032380, ECO:0000269|PubMed:25623425}.

Molecular Weight:

57.1 kDa

UniProt:

[Q16647](#)

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