

Datasheet for ABIN7550686
PTGDR Protein (AA 1-359) (His tag)



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Overview

Quantity:	1 mg
Target:	PTGDR
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGDR protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PTGDR Protein expressed in mammalian cells.
Sequence:	MKSPFYRCQN TTSVEKGNSA VMGGVLFSTG LLGNLLALGL LARSLGWCS RRPLRPLPSV FYMLVCGLTV TDLLGKCLS PVVLAAYAQN RSLRVLAPAL DNSLCQAF AFMSFFGLSST LQLLAMALEC WLSLGHPPFFY RRHITLRLGA LVAPVVSASF LAFCALPFMG FGKFVQYCPG TWCFIQMVHE EGSLSVLGYS VLYSSLMALL VLATVLCNLG AMRNLYAMHR RLQRHPR SCT RDCAEPRADG REASPQPLEE LDHLLLLALM TVLFTMC SLPIVYRAYYGAF KDVKEKNRTS EEAEDLRALR FLSVISIVDP WIFIFRSPV FRIFHHKIFI RPLRYRSRCS NSTNMESSL 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.
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	PTGDR
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Alternative Name:	PTGDR (PTGDR Products)
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Background:	Prostaglandin D2 receptor (PGD receptor) (PGD2 receptor) (Prostanoid DP receptor),FUNCTION: Receptor for prostaglandin D2 (PGD2). The activity of this receptor is mainly mediated by G(s) proteins that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. A mobilization of calcium is also observed, but without formation of inositol 1,4,5-trisphosphate (By similarity). Involved in PLA2G3-dependent maturation of mast cells. PLA2G3 is secreted by immature mast cells and acts on nearby fibroblasts upstream to PTDGS to synthesize PGD2, which in turn promotes mast cell maturation and degranulation via PTGDR (By similarity). {ECO:0000250 UniProtKB:P70263, ECO:0000250 UniProtKB:Q9R261}.
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Molecular Weight:	40.3 kDa
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UniProt:	Q13258
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Pathways:	Thromboxane A2 Receptor Signaling
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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.

Restrictions: For Research Use only

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