

Datasheet for ABIN7554907

## PTGER3 Protein (AA 1-390) (His tag)



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### Overview

Quantity:	1 mg
Target:	PTGER3
Protein Characteristics:	AA 1-390
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGER3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat PTGER3 Protein expressed in mammalian cells.
Sequence:	<p>MKETRGYGGD APFCTRLNHS YTG MWAPERS AEARGNLTRP PGSGEDCGSV SVAFPITMLL</p> <p>TGFVGNALAM LLVSRSYRRR ESKRKKSFL CIGWLALTDL VGQLLTTPVV IVVYLSKQRW</p> <p>EHIDPSGRLC TFFGLTMTVF GLSSLFASA MAVERALAIR APHWYASHMK TRATRAVLLG</p> <p>VWLAVLAFAL LPVLGVGQYT VQWPGTWCFI STGRGGNGTS SSHNWGNLFF ASAFALGLL</p> <p>ALTVTFSCNL ATIKALVSRC RAKATASQSS AQWGRITTET AIQLMGIMCV LSVCSPLLI</p> <p>MMLKMIFNQT SVEHCKTHTE KQKECNFFLI AVRLASLNQI LDPWVYLLLR KILLRKFQCI</p> <p>RYHTNNYASS STSLPCQCSS TLMWSDHLER <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p> <p><b>of the protein could make another tag necessary. In case you have a special request, please</b></p> <p><b>contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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

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Target:	PTGER3
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Alternative Name:	PTGER3 ( <a href="#">PTGER3 Products</a> )
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Background:	<p>Prostaglandin E2 receptor EP3 subtype (PGE receptor EP3 subtype) (PGE2 receptor EP3 subtype) (PGE2-R) (Prostanoid EP3 receptor),FUNCTION: Receptor for prostaglandin E2 (PGE2) (PubMed:8307176, PubMed:7883006, PubMed:8117308, PubMed:8135729, PubMed:7981210). The activity of this receptor can couple to both the inhibition of adenylate cyclase mediated by G(i) proteins, and to an elevation of intracellular calcium (PubMed:7883006, PubMed:8117308, PubMed:8135729, PubMed:7981210). Required for normal development of fever in response to pyrinogens, including IL1B, prostaglandin E2 and bacterial lipopolysaccharide (LPS). Required for normal potentiation of platelet aggregation by prostaglandin E2, and thus plays a role in the regulation of blood coagulation. Required for increased HCO3(-) secretion in the duodenum in response to mucosal acidification, and thereby contributes to the protection of the mucosa against acid-induced ulceration. Not required for normal kidney function, normal urine volume and osmolality (By similarity). {ECO:0000250 UniProtKB:P30557, ECO:0000269 PubMed:7883006, ECO:0000269 PubMed:7981210, ECO:0000269 PubMed:8117308, ECO:0000269 PubMed:8135729,</p>
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## Target Details

ECO:0000269|PubMed:8307176}.

Molecular Weight: 43.3 kDa

UniProt: [P43115](#)

## 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