

Datasheet for ABIN7563131
PTGER4 Protein (AA 1-513) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTGER4
Protein Characteristics:	AA 1-513
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGER4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ptger4 Protein expressed in mammalian cells.
Sequence:	<p>MAEVGGTIPR SNRELQRCVL LTTTIMSIPG VNASFSSTPE RLNSPVTIPA VMFIFGVVGN LVAIWVLCCKS RKEQKETTFY TLVCGLAVTD LLGTLLVSPV TIATYMKGW PGDQALCDYS TFILLFFGLS GLSII CAMSI ERYLAINHAY FYSHYVDKRL AGLTLFAIYA SNVLF CALPN MGLGRSERQY PGTWCFIDWT TNVTAYAAFS YMYAGFSSFL ILATVLCNVL VCGALLRMHR QFMRRTSLGT EQHHAAAAA VASVACRGHA GASPALQRLS DFRRRRSFRR IAGAEIQMVI LLIATSLVVL ICSIPLVVRV FINQLYQPNV VKDISRNPDL QAIRIASVNP ILDPWIYILL RKTVLSKAIE KIKCLFCRIG GSGRDSSAQH CSESRTSSA MSGHSRSFLA RELKEISSTS QTLLYLPDLT ESSLGGRNLL PGSHGMGLTQ ADTTLRRTL ISETSDSSQG QDSESVLLVD EVSGSHREEP ASKGNSLQVT FPSETLKLSE KCI 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

PTGER4

Alternative Name:

Ptger4 ([PTGER4 Products](#))

Background:

Prostaglandin E2 receptor EP4 subtype (PGE receptor EP4 subtype) (PGE2 receptor EP4 subtype) (Prostanoid EP4 receptor),FUNCTION: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

Molecular Weight:

56.2 kDa

UniProt:

[P32240](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
