

Datasheet for ABIN7550625

PTGER1 Protein (AA 1-402) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTGER1
Protein Characteristics:	AA 1-402
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGER1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PTGER1 Protein expressed in mammalian cells.
Sequence:	<p>MSPCGPLNLS LAGEATTCAA PWVPNTSAVP PSGASPALPI FSMTLGAVSN LLALALLAQA AGRLRRRRSA ATFLLFVSL LATDLAGHVI PGALVLRLYT AGRAPAGGAC HFLGGCMVFF GLCPLLLGCG MAVERCVGVT RPLLHAARVS VARARLALAA VAAVALAVAL LPLARVGRYE LQYPGTWCFI GLGPPGGWRQ ALLAGLFASL GLVALLAALV CNTLSGLALL RARWRRRSRR PPPASGPDSR RRWGAHGPRS ASASSASSIA SASTFFGGSR SSGSARRARA HDVEMVGQLV GIMVSCICW SPMLVLVALA VGGWSSTSLQ RPLFLAVRLA SWNQILDPWV YILLRQAVLR QLLRLLPPRA GAKGGPAGLG LTPSAWEASS LRSSRHSGLS HF 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 isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div><div>Key Benefits:</div><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.• State-of-the-art algorithm used for plasmid design (Gene synthesis).<p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
------------------	--

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PTGER1
Alternative Name:	PTGER1 (PTGER1 Products)
Background:	Prostaglandin E2 receptor EP1 subtype (PGE receptor EP1 subtype) (PGE2 receptor EP1 subtype) (Prostanoid EP1 receptor),FUNCTION: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(q) proteins which activate a phosphatidylinositol-calcium second messenger system. May play a role as an important modulator of renal function. Implicated the smooth muscle contractile response to PGE2 in various tissues.
Molecular Weight:	41.8 kDa
UniProt:	P34995

Application Details

Application Notes:	We expect the protein to work for functional studies. 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