

Datasheet for ABIN7551044
PTGR2 Protein (AA 1-351) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PTGR2
Protein Characteristics:	AA 1-351
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGR2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PTGR2 Protein expressed in mammalian cells.
Sequence:	<p>MIVQRVVLNS RPGKNGNPVA ENFRMEEVYL PDNINEGQVQ VRTLYLSVDP YMRCRMNEDT GTDYITPWQL SQVVDGGGIG IIEESKHTNL TKGDFVTSFY WPWQTKVILD GNSLEKVDPO LVDGHLSTYFL GAIGMPGLTS LIGIQEKGHI TAGSNKTMVV SGAAGACGSV AGQIGHFLGC SRVVGICGTH EKCILLTSEL GFDAAINYKK DNVAEQLRES CPAGVDVYFD NVGGNISDTV ISQMNENSHI ILCGQISQYN KDVPYPPPLS PAIEAIQKER NITRERFLVL NYKDKFEPGI LQLSQWFKEG KLKIKETVIN GLENMGAAFQ SMMTGNGIG QIVCISEEIS L 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.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PTGR2
Alternative Name:	PTGR2 (PTGR2 Products)
Background:	<p>Prostaglandin reductase 2 (PRG-2) (EC 1.3.1.48) (15-oxoprostaglandin 13-reductase) (Zinc-binding alcohol dehydrogenase domain-containing protein 1),FUNCTION: Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-keto-PGE1, 15-keto-PGE2, 15-keto-PGE1-alpha and 15-keto-PGE2-alpha with highest activity towards 15-keto-PGE2 (PubMed:19000823).</p> <p>Overexpression represses transcriptional activity of PPARG and inhibits adipocyte differentiation (By similarity). {ECO:0000250 UniProtKB:Q8VDQ1, ECO:0000269 PubMed:19000823}.</p>
Molecular Weight:	38.5 kDa
UniProt:	Q8N8N7

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.
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Application Details

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