

Datasheet for ABIN7557755

PTGER2 Protein (AA 1-362) (His tag)



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Overview

Quantity:	1 mg
Target:	PTGER2
Protein Characteristics:	AA 1-362
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGER2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ptger2 Protein expressed in mammalian cells.
Sequence:	<p>MDNFLNDSKL MEDCKSRQWL LSGESPAISS VMFSAGVLGN LIALALLARR WRGDTGCSAG</p> <p>SRTSISLFHV LVTELVLTDL LGTCLISPVV LASYSRNQTL VALAPESHAC TYFAFTMTFF</p> <p>SLATMLMLFA MALERYLSIG YPYFYRRHLS RRGGLAVLPV IYGASLLFCS LPLLNYGEYV</p> <p>QYCPGTWCFI RHGRTAYLQL YATMLLLLIV AVLACNISVI LNLIRMHRRS RRSRCGLSGS</p> <p>SLRGPGRRRR GERTSMAEET DHLILLAIMT ITFAICSLPF TIFAYMDETS SLKEKWDLRA</p> <p>LRFLSVNSII DPWVFAILRP PVLRLMRSVL CCRTSLRTQE AQTSCSTQS SASKQTDLCG QL</p> <p>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:	PTGER2
Alternative Name:	Ptger2 (PTGER2 Products)
Background:	Prostaglandin E2 receptor EP2 subtype (PGE receptor EP2 subtype) (PGE2 receptor EP2 subtype) (Prostanoid EP2 receptor),FUNCTION: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.
Molecular Weight:	40.5 kDa
UniProt:	Q62053

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