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Datasheet for ABIN1475916

PTGS2 Protein (AA 18-604) (His tag)

Overview

Quantity:	1 mg
Target:	PTGS2
Protein Characteristics:	AA 18-604
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGS2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ANP CCSNPCQNRG ECMSIGFDQY KCDCTRTGFY GENCTTPEFL TRIKLLKPT PNTVHYILTH FKGVWNIVNN IPFLRNSIMR YVLTSRSHLI DSPPTYNVHY GYKSWEAFSN LSYYTRALPP VADDCPTPMG VKGNKELPDS KEVLEKVLLR REFIPDPQGT NMMFAFFAQH FTHQFFKTDQ KRGPGFTRGL GHGVDLNHVY GETLDRQHKL RLFQDGKLY QVIGGEVYPP TVKDTQVDMI YPPHVPEHLR FAVGQEVFGL VPGLMMYATI WLREHNRVCD ILKQEHPEWD DERLFQTSRL ILIGETIKIV IEDYVQHL SG YHFKLKFDPE LLFNQQFQYQ NRIASEFNTL YHWHPLLPDT FNIEDQEYTF KQFLYNN SIL LEHGLAHFVE SFTRQIAGRV AGGRNVPIAV QAVAKASIDQ SREMKYQSLN EYRKRFSLKP YTSFEELTGE KEMAAELKAL YHDIDAMELY PALLVEKPRP DAIFGETMVE LGAPFSLKGL MGNPICSPQY WKPSTFGGEV GFRIINTASI QSLICNNVKG CPFASFNVQD PQPTKTATIN ASASHSRLDD INPTVLIKRR STEL
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

Target Details

Target: PTGS2

Alternative Name: Prostaglandin G/H synthase 2 (Ptgs2) ([PTGS2 Products](#))

Background: Recommended name: Prostaglandin G/H synthase 2.
EC= 1.14.99.1.
Alternative name(s): Cyclooxygenase-2.
Short name= COX-2 PHS II Prostaglandin H2 synthase 2.
Short name= PGH synthase 2.
Short name= PGHS-2 Prostaglandin-endoperoxide synthase 2

UniProt: [P35355](#)

Pathways: [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.