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Datasheet for ABIN1616590
PTGR1 Protein (AA 1-329) (His tag)

Overview

Quantity:	1 mg
Target:	PTGR1
Protein Characteristics:	AA 1-329
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGR1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MVHAKSWTLK KHFVGYPTNS DFELKTVELP PLKDGEVLE ALYLTVDPYM RIMAKSLKEG DMMMGEQVAR VVESKNSAFP TGTIVLAPSG WTTHSISNGE KLEKVLAEWP DTLPLSLALG TVGMPGLTAY FGLLDICGVK GGETVLVSAA AGAVGSIVGQ IAKLKGCKVW GTAGSDEKVA WLKKHGFDDVA LNYKTVKSLE EALKEAAPEG YDCYFDNVGG EFSNVAITQM KKFGRGIAICG AISVYNRTSP LSPGPSPEII IFKELHLQGF VVYRWQGEVR QKALRDLLKW VSEGGKIQYHE HVTEGFENMP AAFIGLLKGE NLGKAIVKA
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target: PTGR1

Abstract: [PTGR1 Products](#)

Background: Recommended name: Prostaglandin reductase 1.
Short name= PRG-1.
EC= 1.3.1.-.
Alternative name(s): 15-oxoprostaglandin 13-reductase.
EC= 1.3.1.48 NADP-dependent leukotriene B4 12-hydroxydehydrogenase.
EC= 1.3.1.74

UniProt: [Q3SZJ4](#)

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 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.
