Datasheet for ABIN7584057

CYP11B1 Protein (AA 25-503) (His tag)

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Overview

Quantity:	100 µg
Target:	CYP11B1
Protein Characteristics:	AA 25-503
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP11B1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	GTRGAA APKAVLPFEA MPRCPGNKWM RMLQIWKEQS SENMHLDMHQ TFQELGPIFR YDVGGRHMVF VMLPEDVERL QQADSHHPQR MILEPWLAYR QARGHKCGVF LLNGPQWRLD RLRLNPDVLS LPALQKYTPL VDGVARDFSQ TLKARVLQNA RGSLTLDIAP SVFRYTIEAS TLVLYGERLG LLTQQPNPDS LNFIHALEAM LKSTVQLMFV PRRLSRWMST NMWREHFEAW DYIFQYANRA IQRIYQELAL GHPWHYSGIV AELLMRADMT LDTIKANTID LTAGSVDTTA FPLLMTLFEL ARNPEVQQAV RQESLVAEAR ISENPQRAIT ELPLLRAALK ETLRLYPVGI TLEREVSSDL VLQNYHIPAG TLVKVLLYSL GRNPAVFARP ESYHPQRWLD RQGSGSRFPH LAFGFGVRQC LGRRVAEVEM LLLLHHVLKN FLVETLEQED IKMVYRFILM PSTLPLFTFR AIQ
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	CYP11B1
Alternative Name:	Cytochrome P450 11B1, mitochondrial (CYP11B1) (CYP11B1 Products)
Background:	Recommended name: Cytochrome P450 11B1, mitochondrial. Alternative name(s): CYPXIB1 Cytochrome P450C11 Steroid 11-beta-hydroxylase. EC= 1.14.15.4
UniProt:	P15150
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis, Regulation of Systemic Arterial Blood Pressure by Hormones, C21-Steroid Hormone Metabolic Process, Carbohydrate Homeostasis

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 modificated 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

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.