Datasheet for ABIN7584058

CYP11B1 Protein (AA 25-499) (His tag)

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Overview

Quantity:	100 µg
Target:	CYP11B1
Protein Characteristics:	AA 25-499
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP11B1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	GTTAKV APKTLKPFEA IPQYSRNKWL KMIQILREQG QENLHLEMHQ AFQELGPIFR HSAGGAQIVS VMLPEDAEKL HQVESILPHR MPLEPWVAHR ELRGLRRGVF LLNGADWRFN RLQLNPNMLS PKAIQSFVPF VDVVARDFVE NLKKRMLENV HGSMSINIQS NMFNYTMEAS HFVISGERLG LTGHDLKPES VTFTHALHSM FKSTTQLMFL PKSLTRWTST RVWKEHFDSW DIISEYVTKC IKNVYRELAE GRQQSWSVIS EMVAQSTLSM DAIHANSMEL IAGSVDTTAI SLVMTLFELA RNPDVQQALR QESLAAEASI VANPQKAMSD LPLLRAALKE TLRLYPVGSF VERIVHSDLV LQNYHVPAGT FVIIYLYSMG RNPAVFPRPE RYMPQRWLER KRSFQHLAFG FGVRQCLGRR LAEVEMLLLL HHMLKTFQVE TLRQEDMQMV FRFLLMPSSS PFLTFRPVS
Specificity:	Rattus norvegicus (Rat)
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 P450(11 beta)-DS Cytochrome P450C11 Steroid 11-beta-hydroxylase. EC= 1.14.15.4
UniProt:	P15393
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

Handling

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