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Datasheet for ABIN1622645

CYP21A2 Protein (AA 1-492) (His tag)

Overview

Quantity:	1 mg
Target:	CYP21A2
Protein Characteristics:	AA 1-492
Origin:	Cat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP21A2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MLLLGLLLLT ALAGARLLWN KWKYRSLHLP PLAPGFLHLL QPDLPIYLLG LTQKLGPVYR</p> <p>LRLGLQDVVV LNSKRTIEEA LIRRWVDFAG RPQMPSYKLV SQHYQDLSLG DYSLLWKAHK</p> <p>KLTRSALLLG IRNSMEPLVE QLTQEFCERM RAQAGTPVAI QKEFSFLTCS VICCLTFGDK</p> <p>EDTLVHAFHD CVEDLMKSWE HWSIQVLDIV PFLRFFPNPG LRRLKQALEN RDRIVEKQLR</p> <p>QHKDSMVAGQ WRDMTDYMLQ GMGKPKVEKG HGRLLLEGHVH MSVVDLFIGG TETTATTLWS</p> <p>AVAFLLHHP EIQRLQEELD CELGPGASGS RVPLKDPSRL PLLTATIAEV LRLRPVVPLA</p> <p>LPHRTTRHSS ILGYDIPEGT VVIPNLQGAH LDDTVWEQPH EFRPDRFLVP GASPRVLAFG</p> <p>CGARVCLGEP LARLELFVVL ARLLHAFTLL PPTGPLPSLR PRSHCGINLT MQPFQVRLQP</p> <p>RGAVAPGPSQ HQ</p>
Specificity:	Felis catus (Cat) (Felis silvestris catus)
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.

Product Details

Purity: > 90 %

Target Details

Target: CYP21A2

Alternative Name: Steroid 21-hydroxylase (CYP21) ([CYP21A2 Products](#))

Background: Recommended name: Steroid 21-hydroxylase.
EC= 1.14.99.10.
Alternative name(s): 21-OHase Cytochrome P-450c21 Cytochrome P450 21 Cytochrome P450 XXI Cytochrome P450-C21

UniProt: [Q2LA60](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [C21-Steroid Hormone Metabolic Process](#)

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 modified 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.