

Datasheet for ABIN7584060

CYP17A1 Protein (AA 1-507) (His tag)



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Overview

Quantity:	100 µg
Target:	CYP17A1
Protein Characteristics:	AA 1-507
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP17A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MWELVGLLLL ILAYFFWVKS KTPGAKLPRS LPSLPLVGSL PFLPRRGHMH VNFFKLQEKY</p> <p>GPIYSLRLGT TTTVIIGHYQ LAREVLIKKG KEFSGRPQM V TQSLLSDQ GK G VAFADAGSS</p> <p>WHLHRKLVFS TFSLFKDGQK LEKLCIQEAK SLCDMMMLAHD KESIDLSTPI FMSVTNIICA</p> <p>ICFNISYEKN DPKLTAIKTF TEGIVDATGD RNLVDIFPWL TIFPNKGLEV IKGYAKVRNE</p> <p>VLTGIFEKCR EKFDSSQSISS LTDILIQAKM NSDNNNSCEG RDPDVFS DRH ILATVGDIFG</p> <p>AGIETTTTVL KWILAFLVHN PEVKKKIQKE IDQYVGFSRT PTFNDRSHLL MLEATIREVL</p> <p>RIRPVAPMLI PHKANVDSSI GEFTVPK DTH VVNLWALHH DENEWDQPDQ FMPEFLDPT</p> <p>GSHLITPTQS YLPFGAGPRS CIGEALARQE L FVFTALLQ RFDLDVSDDK QLPRLGDPK</p> <p>VVFLIDPFKV KITVRQAWMD AQA EVST</p>
Specificity:	Rattus norvegicus (Rat)
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: CYP17A1

Alternative Name: Steroid 17-alpha-hydroxylase/17,20 lyase (Cyp17a1) ([CYP17A1 Products](#))

Background: Recommended name: Steroid 17-alpha-hydroxylase/17,20 lyase.
EC= 1.14.99.9.
Alternative name(s): CYPXVII Cytochrome P450 17A1 Cytochrome P450-C17.
Short name= Cytochrome P450c17

UniProt: [P11715](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [C21-Steroid Hormone Metabolic Process](#), [Cellular Response to Molecule of Bacterial Origin](#)

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

Handling

one week

Storage: -20 °C

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