



[Go to Product page](#)

Datasheet for ABIN1634454 CYP11B1 Protein (AA 25-500) (His tag)

Overview

Quantity:	1 mg
Target:	CYP11B1
Protein Characteristics:	AA 25-500
Origin:	Guinea Pig
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP11B1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>GTRAVT ASKASVLPFE VIPQHQGNGR QRVLQFWKEQ NHDDLHLEMH QTFQELGPIF</p> <p>RCDVGSTRIV AVMLPEDCAR LHQAESPYPH RMHLEPWMAY REHRRQNLGV FLLNGPEWLS</p> <p>NRRWLNPNVL SPKAVQNLLP MVDTVARDFS EALKQKVLQS AQSGLTMDMQ PDIHKYTVEV</p> <p>SNFALFGERL GLFGCNPSSQ SLKFIHALEA VFKTTTQLMF LPRSLSRWMR SQAWKEHFEA</p> <p>WDYISEYAEN RIQKKYEELA RGCSQYNSIV ANLMLQGNLP LRAMKANIMD LVAGSVDTTA</p> <p>LPLMMTLFEL ARNPTVQQAL RQESMATEPN IYENPQRLRM ELPLLWAAIK ETLRMYPVGL</p> <p>FLERFLT SPL VLQNYHIPAG TLVHLNLYSM GRNPEVFLSP EHYNPQRWLE NKETYKHLAF</p> <p>GFGVRQCIGR RLAEVEMLLF LHHVLKSFCV ETAFQEDVKF AYRFVMMPTS APLLTRFPVS</p>
Specificity:	Cavia porcellus (Guinea pig)
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: CYP11B1

Alternative Name: Cytochrome P450 11B1, mitochondrial (CYP11B1) ([CYP11B1 Products](#))

Background: Recommended name: Cytochrome P450 11B1, mitochondrial.
Alternative name(s): Aldosterone synthase CYPXIB1 Cytochrome P450C11 Steroid 11-beta-hydroxylase.
EC= 1.14.15.4

UniProt: [Q64408](#)

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 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.