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## Datasheet for ABIN1476668 CYP11A1 Protein (AA 40-520) (His tag)

### Overview

Quantity:	1 mg
Target:	CYP11A1
Protein Characteristics:	AA 40-520
Origin:	Sheep
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP11A1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>I STRTPRPYSE IPSPGDNGWI NLYHFWRKKG SQRIHFHHIE NFQKYGPIYR EKLGNLESVY</p> <p>IIHPEGVAHL FKFECSYPQR YDIPPWLAYH RYYQKPIGVL FKKSGAWKKD RVLNTEVMA</p> <p>PEAIKNFIPL LNPVSQDFVS LLHKRIKQQG SGKFGVDIKE DLFRFAFESI TNVMFGERLG</p> <p>MLEDTVDETA QKFIDAVYKM FHTSVPLLNL PPELYRLFRT KTWDRDHVAW DTIFNKAKEY</p> <p>TEIFYQDLRQ KTEFRNYPGI LYHLLKSEKM LLEDVKANIT EMLAGGVDDT SMTLQWHLYE</p> <p>MARSLNVQEM LRKEVLNARR QAEGDISKML QMVPLLKASI KETLRLHPIS VTLQRYPESD</p> <p>LVLQDYLIPIA KTLVQVAIYA MGRDPAFFSN PDKFDPTRWL GKDKDLIHFR NLGFGWGVQRQ</p> <p>CVGRRIAELE MTLFLIHILE NFRVEMQQIG DVNTIFNLIL TPDKPIFLVF RPFNQGPPQA</p>
Specificity:	Ovis aries (Sheep)
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: CYP11A1

Alternative Name: Cholesterol side-chain cleavage enzyme, mitochondrial (CYP11A1) ([CYP11A1 Products](#))

Background: Recommended name: Cholesterol side-chain cleavage enzyme, mitochondrial.  
EC= 1.14.15.6.  
Alternative name(s): CYPXIA1 Cholesterol desmolase Cytochrome P450 11A1 Cytochrome P450(scc)

UniProt: [P79202](#)

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

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Storage: -20 °C

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