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Datasheet for ABIN1472355

CYP11A1 Protein (AA 40-520) (His tag)

Overview

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

Product Details

Sequence:	I STKTPRPFSE IPSPGDNGWI NLYRFWKEKG TQKIHYYHHVQ NFQKYGPPIYR EKLGNLESVY IIDPEDVALL FKFEGPNPER YNIPPWWAYH QHYQKPVGVL LKKS GAWKKD RLVLNTEVMA PEAIKNFIPL LDTV SQDFVG VLHRRIKQQG SGKFSGDIRE DLFRFAFESI TNVIFGERLG MLEEIVDPEA QKFIDAVYQM FHTSVPMLNL PPDFLRLFRT KTWDRDHVA AW DTIFNKA EKY TQNFYWDLRR KREFNNYPGI LYRLLGNDKL LSE DVKANVT EMLAGGVDTT SMTLQWHLYE MARSLNVQEM LREEVLNARR QAQGDTSKML QLVPLLKASI KETLRLHPIS VTLQRYLVND LVLRDYMIPA KTLVQVAVYA MGRDPAFFSN PGQFDPTRWL GKERDLIHFR NLGFGWGVVRQ CVGRRIAELE MTLFLIHILE NFKVELQHFS DVDTIFNLIL MPDKPIFLVF RPFNQDPLQA
Specificity:	Sus scrofa (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: 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: [P10612](#)

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

Storage: -20 °C

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