

Recombinant Pig CYP11A1 protein, His & T7-tagged

Cat. No. CYP11A1-8079P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig CYP11A1 aa. (Thr44~Asp287 (Accession # P10612)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Pig
Source	E.coli
ProteinLength	Thr44~Asp287
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

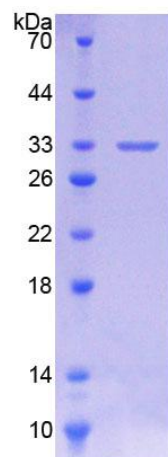
GENE INFORMATION

Gene Name	CYP11A1 cytochrome P450, family 11, subfamily A, polypeptide 1 [<i>Sus scrofa</i> (pig)]
Official Symbol	CYP11A1
Synonyms	CYP11A1; SSC; cholesterol side-chain cleavage enzyme, mitochondrial; CYPXIA1; P450 cholesterol side chain cleavage protein; cholesterol desmolase; cytochrome P-450 cholesterol side-chain cleavage enzyme; cytochrome P450 11A1; cytochrome P450(scc)
Gene ID	403329
mRNA Refseq	NM_214427.1
Protein Refseq	NP_999592.1
UniProt ID	P10612

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SDS-PAGE

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