

## Recombinant Human CYP21A2 protein, His & T7-tagged

**Cat. No.** CYP21A2-7119H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CYP21A2 aa. (Asp106~Gln389 (Accession # P08686)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp106~Gln389
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35.8kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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% sucrose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

CYP21A2 cytochrome P450 family 21 subfamily A member 2 [ Homo sapiens (human) ]

**Official Symbol**

CYP21A2

**Synonyms**

CYP21A2; cytochrome P450 family 21 subfamily A member 2; CAH1; CPS1; CA21H; CYP21; CYP21B; P450c21B; steroid 21-hydroxylase; 21-OHase; cytochrome P450 XXI; cytochrome P450, family 21, subfamily A, polypeptide 2; cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, congenital adrenal hyperplasia), polypeptide 2; cytochrome P450-C21B; steroid 21 hydroxylase; steroid 21-monooxygenase

**Gene ID**

1589

**mRNA Refseq**

NM\_000500.7

**Protein Refseq**

NP\_000491.4

**UniProt ID**

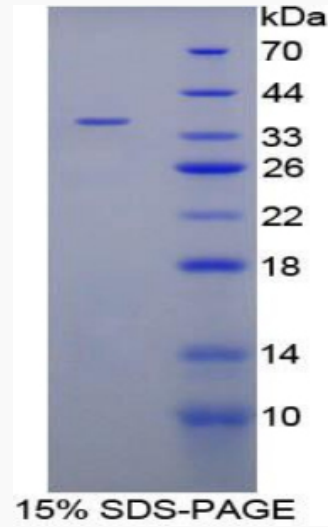
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SDS-PAGE



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