

## Recombinant Mouse Cyp21a1 protein, His & T7-tagged

Cat. No. Cyp21a1-7120M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Cyp21a1 aa. (Phe37~Asp264 (Accession # P03940)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Phe37~Asp264
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 31.1kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 8.8.
<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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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**

Cyp21a1 cytochrome P450, family 21, subfamily a, polypeptide 1 [ *Mus musculus* (house mouse) ]

**Official Symbol**

Cyp21a1

**Synonyms**

Cyp21a1; cytochrome P450, family 21, subfamily a, polypeptide 1; 21OH; 21-OH; 21OHA; 21OHB; Cyp21; Cyp21B; Oh21-1; Oh21-2; CYP21OH-A; Cyp21-ps1; Cyp21a2ps; Cyp21a2-ps; steroid 21-hydroxylase; 21-OHase; 21-hydroxylase; cytochrome P-450; cytochrome P-450c21; cytochrome P450 21; cytochrome P450 XXI; cytochrome P450 hydroxylase A; cytochrome P450, 21, pseudogene; cytochrome P450, 21, steroid 21 hydroxylase; cytochrome P450, family 21, subfamily a, polypeptide 2, pseudogene; cytochrome P450-C21

**Gene ID**

13079

**mRNA Refseq**

NM\_009995.2

**Protein Refseq**

NP\_034125.2

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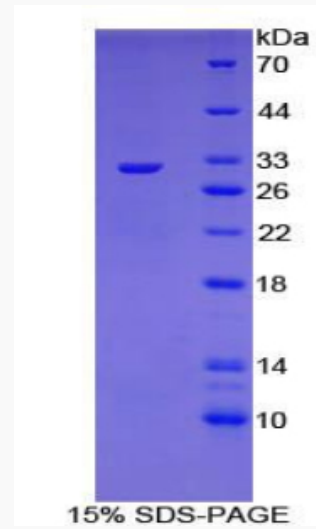
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UniProt ID

P03940

SDS-PAGE



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