

# 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.<br>(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**

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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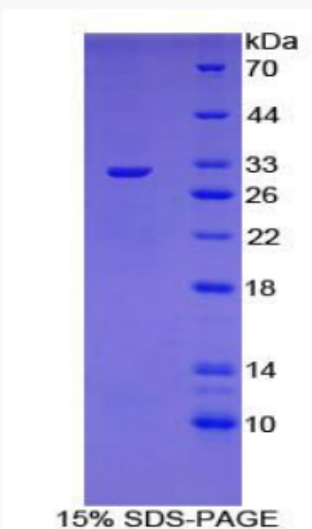
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UniProt ID

P03940

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