Recombinant Rat Cyp21a1 protein, His & T7-tagged

Cat. No. Cyp21a1-7121R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cyp21a1 aa. (Asn200~Pro414 (Accession # Q64562)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asn200~Pro414
Description	Converts progesterone to deoxycorticosterone via 21-hydroxylation in the adrenal gland and possibly in peripheral astrocytes and CNS.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

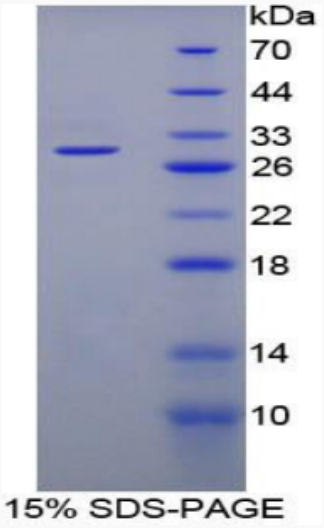
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	was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius 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 [Rattus norvegicus (Norway rat)]
Official Symbol	Cyp21a1
Synonyms	Cyp21a1; cytochrome P450, family 21, subfamily a, polypeptide 1; 21-OH; Cyp21; steroid 21-hydroxylase; 21-OHase; Cytochrome P450 subfamily XXI (steroid 21-hydroxylase); P-450c21; P450-C21; cytochrome P-450c21; cytochrome P450 21 steroid 21 hydroxylase; cytochrome P450 XXI; cytochrome P450, subfamily 21A, polypeptide 1; cytochrome P450, subfamily XXI (steroid 21-hydroxylase); cytochrome P450-C21
Gene ID	24298
mRNA Refseq	NM_057101.2

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Protein Refseq	NP_476442.2
UniProt ID	Q64562
SDS-PAGE	

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