

Recombinant Mouse Cyp21a1 Protein, Myc/DDK-tagged

Cat. No. Cyp21a1-2414M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome P450, family 21, subfamily a, polypeptide 1 (Cyp21a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.
Molecular Mass	55.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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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; 21O; 21-O; 21OH; Cyp2; 21-OH; 21OHA; 21OHB; Cyp21; Oh21-; 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; EC 1.14.14.16
Gene ID	13079
mRNA Refseq	NM_009995
Protein Refseq	NP_034125
UniProt ID	P03940