

Recombinant Human CYP21A2 protein, His-tagged

Cat. No. CYP21A2-3941H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP21A2 protein(103-202 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	103-202 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MNYPDLSLGDYSLLWKAHKKLTRSALLLGIRDSMEPVVEQLTQEFCEMRMQPGTP VAIEEEFSLLTCSIICYLTFGDKIKDDNLMPAYYKCIQEVLTWS
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term

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storage.

GENE INFORMATION

Gene Name	CYP21A2 cytochrome P450, family 21, subfamily A, polypeptide 2 [Homo sapiens]
Official Symbol	CYP21A2
Synonyms	CYP21A2; cytochrome P450, family 21, subfamily A, polypeptide 2; CYP21, CYP21B, cytochrome P450, subfamily XXIA (steroid 21 hydroxylase, congenital adrenal hyperplasia), polypeptide 2; steroid 21-hydroxylase; CA21H; CAH1; CPS1; P450c21B; Steroid 21 monooxygenase; 21-OHase; cytochrome P450 21; cytochrome P450 XXI; cytochrome P450-C21B; steroid 21-monooxygenase; cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, congenital adrenal hyperplasia), polypeptide 2; CYP21; CYP21B; MGC150536; MGC150537;
Gene ID	1589
mRNA Refseq	NM_000500
Protein Refseq	NP_000491
MIM	613815
UniProt ID	P08686

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