

Recombinant Human CYP21A2 Protein (1-494 aa), His-tagged

Cat. No. CYP21A2-447H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CYP21A2 Protein (1-494 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-494 aa
Description	Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	59.9 kDa
AA Sequence	MLLLGLLLLPLLAGARLLWNWWKLRSLHLPPLAPGFLHLLQPDLPYLLGLTQKFGPI YRLHLGLQDVVVLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSKNYPDLSLGDYSLL WKAHKKLTRSALLLGIRDSMEPVVEQLTQEFCEMRAPQGPVPAIEEEFSLTCSIIC YLTFGDKIKDDNLMPAYYKCIQEVLKTWSHWSIQIVDVIPFLRFFPNPGLRRLKQAIEK RDHIVEMQLRQHKESLVAGQWRDMDYMLQGVAQPSMEEGSGQLLEGHVHMAA VDLLIGGTETTANTLSWAVVFLHHPHPEIQRLQEELDHELPGGASSSRVPYKDRARL PLLNATIAEVLRLRPVVPLALPHRTTRPSSISGYDIPEGTVIIPNLQGAHLDETWERP HEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLELFVVLTRLLQAFTLLPSGDAL

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	PSLQPLPHCSVILKMQPFQVRLQPRGMGAHSPGQNQ
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	CYP21A2 cytochrome P450, family 21, subfamily A, polypeptide 2 [Homo sapiens]
Official Symbol	CYP21A2
Synonyms	CYP21A2; CA21H; CAH1; CPS1; P450c21B; 21-OHase; CYP21; CYP21B; MGC150536; MGC150537;
Gene ID	1589
mRNA Refseq	NM_000500
Protein Refseq	NP_000491
MIM	613815

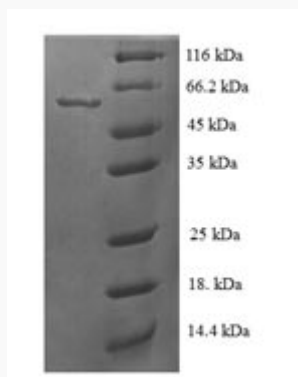
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UniProt ID

P08686



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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