

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	<p>MLLLGLLLLLPLLAGARLLWNWWWKLRSLHLPPLAPGFLHLLQPDLPIYLLGLTQKFGPI YRLHLGLQDVVVLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSKNYPDLSLGDYSLL WKAHKKLTRSALLLGIRDSMEPVVEQLTQEFCEMRMQPGTPVAIEEEFSLTCSIIC YLTFGDKIKDDNLMPAYYKCIQEVLKTWSHWSIQIVDVIPFLRFFPNPGLRRLKQAIK RDHIVEMQLRQHKESLVAGQWRDMDYMLQGVAQPSMEEGSGQLLEGHVHMAA VDLLIGGTETTANTLSWAVVFLHHPHPEIQRLQEELDHELPGGASSSRVPYKDRARL PLLNATIAEVLRLRPVPLALPHRTRPSSISGYDIPEGTVIIPNLQGAHLDETWERP HEFWPDRFLEPGKNSRALAFGCGARVCLGEPLARLELFVVLTRLLQAFTLLPSGDAL</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

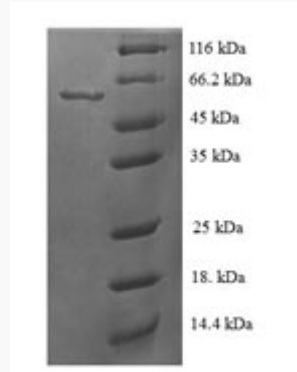
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P08686



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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA