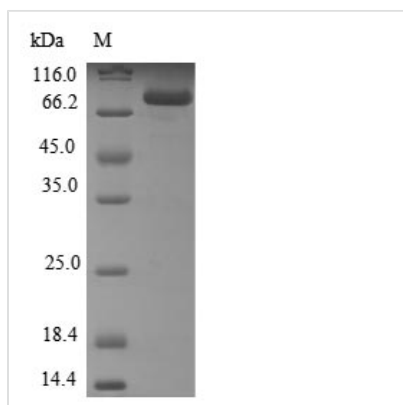




Recombinant Human Steroid 21-hydroxylase (CYP21A2)

Product Code	CSB-EP006400HUe0
Relevance	Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.
Abbreviation	Recombinant Human CYP21A2 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P08686
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MLLLGLLLLPLLAGARLLWNWWKLRSLLHPLAPGFLHLLQPDLPYLLGLTQK FGPIYRLHLGLQDVVVLNSKRTIEEAMVKKWADFAGRPEPLTYKLVSKNYPDL SLGDYSLLWKAHKKLTRSALLLGIRDSMEPVVEQLTQEFCEMRMQPGTPVAI EEEFSLTCSIICYLTFGDKIKDDNLMPAYYKCIQEVLTWWSHWSIQIVDVIPFLR FFPNPGLRRLKQAIEKRDHIVEMQLRQHKESLVAGQWRDMMDYMLQGVAQP SMEEGSGQLLEGHVHMAAVDLLIGGTETTANTLSWAVVFLHHPHPEIQQRLQEE LDHELPGGASSSRVPYKDRARLPLLNATIAEVLRLRPVPLALPHRTRTPSSIS GYDIPEGTVIIPNLQGAHLDETVPWERPHEFWPDRFLEPGKNSRALAFGCGARV CLGEPLARLELFVVLTRLLQAFTLLPSGDALPSLQPLPHCSVILKMQPFQVRLQ PRGMGAHSPGQNNQ
Research Area	Signal Transduction
Source	E.coli
Target Names	CYP21A2
Protein Names	21-OHase Cytochrome P-450c21 Cytochrome P450 21 Cytochrome P450 XXI Cytochrome P450-C21 Cytochrome P450-C21B
Expression Region	1-494aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	82.9 kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.