

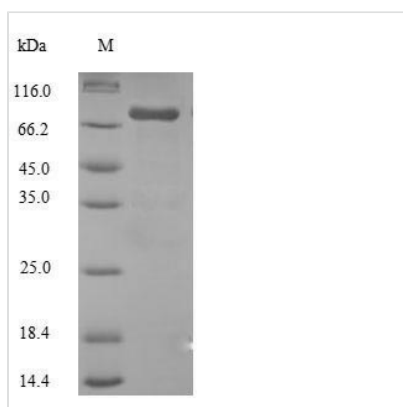


Recombinant Human Steroid 17-alpha-hydroxylase/17,20 lyase (CYP17A1)

Product Code	CSB-EP006392HU
Relevance	Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.
Abbreviation	Recombinant Human CYP17A1 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.	P05093
Alias	17-alpha-hydroxyprogesterone aldolaseCYPXVIIICytochrome P450 17A1Cytochrome P450-C17 ;Cytochrome P450c17Steroid 17-alpha-monooxygenase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MWELVALLLLTLAYLFWPKRRCPGAKYPKSLLSLPLVGSPLPFLPRHGHMHNNF FKLQKKYGPISVRMGTKTTVIVGHHQLAKEVLIKKGKDFSGRPQMATLDIASN NRKGIADFADSGAHWQLHRRLAMATFALFKDGDQKLEKIICQEISTLCDMLATHN GQSIDISFPVFAVTNVISLICFNNTSYKNGDPELNVIQNYNEGIIDNLSKDSLVDL VPWLKIFPNKLEKLSHVKIRNDLLNKILENYKEKFRSDSITNMLDTLMQAKMN SDNGNAGPDQDSELLSDNHILTTIGDIFGAGVETTTSVVKWTLAFLHNPQVKK KLYEEIDQNVGFSRTPPTISDRNRLLEATIREVLRLRPVAPMLIPHKANVDSSIG EFAVDKGTEVIINLWALHHNEKEWHQPDQFMPERFLNPAGTQLISPSVSYLPF GAGPRSCIGEILARQELFLIMAWLLQRFDLEVPDDGQLPSLEGIPKVVFLIDSFK VKIKVRQAWREAQAEGST
Research Area	Metabolism
Source	E.coli
Target Names	CYP17A1
Expression Region	1-508aa
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	84.4kDa
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.