

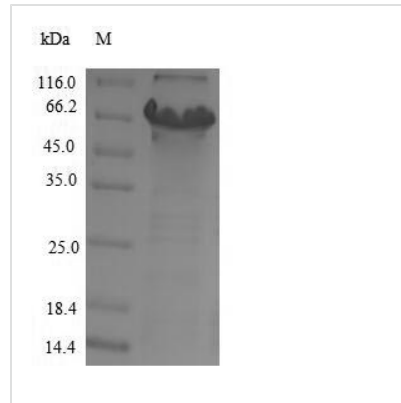


Recombinant Human Cytochrome P450 11B2, mitochondrial (CYP11B2)

Product Code	CSB-EP006391HU
Relevance	Preferentially catalyzes the conversion of 11-deoxycorticosterone to aldosterone via corticosterone and 18-hydroxycorticosterone.
Abbreviation	Recombinant Human CYP11B2 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.	P19099
Alias	Aldosterone synthase (EC:1.14.15.4, EC:1.14.15.5) Short name: ALDOS Aldosterone-synthesizing enzyme CYPXIB2 Cytochrome P-450Aldo Cytochrome P-450C18 Steroid 18-hydroxylase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GTRAARAPRTVLPFEAMPQHGPGRWLRLLQIWREQGYEHLHLEMHQTFQEL GPIFRYNLGGPRMVCVMLPEDVEKLQQVDSLHPCRMILEPWVAYRQHRGHK CGVFLNNGPEWRFNRLRLNPDVLSPKAVQRFLPMVDAVARDFSQALKKKVLQ NARGSLTLDVQPSIFHYTIEASNLALFGERLGLVGHSPSSASLNFLHALEVMFK STVQLMFMPRSLSRWISPKVWKEHFEAWDCIFQYGDNCIQKIYQELAFNRPQ HYTGIVAELLLKAELSLEAIKANSMELTAGSVDTTAFPLLMTLFELARNPDVQQI LRQESLAAAASISEHPQKATTELP LLRAALKETLRLYPVGLFLERVVSSDLVLQN YHIPAGTLVQVFLYSLGRNAALFPRPERYNPQRWLDIRGSGRNFHHVPPFGFG MRQCLGRRLAEAEMLLLLHHVLKHFLVETLTQEDIKMVYSFILRPGTSPLLTFR AIN
Source	E.coli
Target Names	CYP11B2
Protein Names	Recommended name: Cytochrome P450 11B2, mitochondrial Alternative name(s): Aldosterone synthase Short name= ALDOS EC= 1.14.15.4 EC= 1.14.15.5 Aldosterone-synthesizing enzyme CYPXIB2 Cytochrome P-450Aldo Cytochrome P-450C
Expression Region	25-503
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	71.0kDa

**Protein Length**

Full Length of Mature Protein

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.