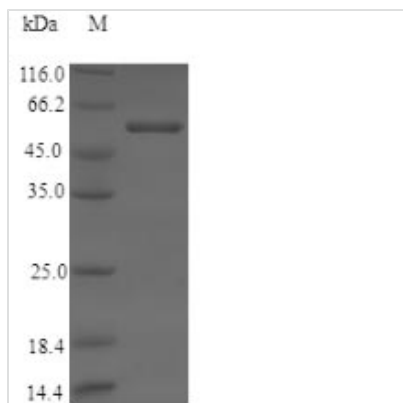




# Recombinant Human Cytochrome P450 11B2, mitochondrial (CYP11B2)

<b>Product Code</b>	CSB-YP006391HU
<b>Relevance</b>	Preferentially catalyzes the conversion of 11-deoxycorticosterone to aldosterone via corticosterone and 18-hydroxycorticosterone.
<b>Abbreviation</b>	Recombinant Human CYP11B2 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P19099
<b>Alias</b>	Aldosterone synthase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	GTRAARAPRTVLPFEAMPQHSGNRWLRLLQIWREQGYEHLHLEMHQTFQEL GPIFRYNLGGPRMVCVMLPEDVEKLQQVDSLHPCRMILEPWVAYRQHRGHK CGVLLNGPEWRFNRLRLNPDVLSPKAVQRFLPMVDAVARDFSQALKKKVLQ NARGSLTLDVQPSIFHYTIEASNLALFGERLGLVGHSPSSASLNFLHALEVMFK STVQLMFMPRSLSRWISPKVWKEHFEAWDCIFQYGDNCIQKIYQELAFNRPQ HYTGIVAEALLKAELSLEAIKANSMELTAGSVDTTAFPLLMTLFEIARNPDVQQI LRQESLAAAASISEHPQKATTELP LLRAALKETLR LYPVGLFLERVVSSDLVLQN YHIPAGTLVQVFLYSLGRNAALFPRPERYNPQRWLDIRGSGRNFHHVPPFGFG MRQCLGRRLAEAEMLLLLHHVLKHFLVETLTQEDIK MVYSFILRPGTSPLLTFR AIN
<b>Research Area</b>	others
<b>Source</b>	Yeast
<b>Target Names</b>	CYP11B2
<b>Protein Names</b>	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 Cytochr
<b>Expression Region</b>	25-503aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	57.0kDa

**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**

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