

Cytochrome P450 11B2, mitochondrial (CYP11B2) Recombinant Protein | CYP11B2 recombinant protein

Recombinant Human Cytochrome P450 11B2, mitochondrial (CYP11B2)

CATALOG # AAA113340	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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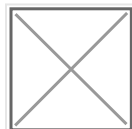
PRODUCT SYNONYMS

Cytochrome P450 11B2; mitochondrial (CYP11B2); Recombinant Human Cytochrome P450 11B2; mitochondrial; Aldosterone synthase; ALDOS; EC=1.14.15.4; EC=1.14.15.5; Aldosterone-synthesizing enzyme; CYPXIB2; Cytochrome P-450Aldo; Cytochrome P-450C18; Steroid 18-hydroxylase; CYP11B2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-503; Full Length of Mature Protein
Sequence	GTRAARAPRT VLPFEAMPQH PGNRWLRLQ IWREQGYEHL HLEMHQTFQE LGPIFRYNLG GPRMVCVMLP EDVEKLQQVD SLHPCRMILE PWVAYRQHRG HKCGVFLLNG PEWRFNRLRL NPDVLSPKAV QRFLPMVDAV ARDFSQALKK KVLQNARGSL TLDVQPSIFH YTIEASNLAL FGERLGLVGH SPSSASLNFL HALEVMFKST VQLMFMPRSL SRWISPKVWK EHFEAWDCIF QYGDNCIQKI YQELAFNRPQ HYTGIVAELL LKAELSLEAI KANSMELTAG SVDTTAFPLL MTLFELARNP DVQILRQES LAAAASISEH PQKATTELPL LRAALKETLR LYPVGLFLER VVSSDLVLQN YHIPAGTLVQ VFYLSLGRNA ALFPRPERYN PQRWLDIRGS GRNFHHVPFG FGMRQCLGRR LAEAEMLLLL HHVLKHFLVE TLTQEDIKMV YSFILRPGTS PLLTFRAIN
Sequence Length	503
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CYP11B2 recombinant protein	Preferentially catalyzes the conversion of 11-deoxycorticosterone to aldosterone via corticosterone and 18-hydroxycorticosterone.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119829183
NCBI GeneID	1585
NCBI Accession #	NP_000489.3
NCBI GenBank Nucleotide #	NM_000498.3
UniProt Accession #	P19099; Q16726; B0ZBE4
Molecular Weight	57 kDa
NCBI Official Full Name	cytochrome P450 11B2, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 11, subfamily B, polypeptide 2
NCBI Official Symbol	CYP11B2
NCBI Official Synonym Symbols	CPN2; ALDOS; CYP11B; CYP11BL; CYPXIB2; P450C18; P-450C18; P450aldo
NCBI Protein Information	cytochrome P450 11B2, mitochondrial; cytochrome P-450C18; aldosterone synthase; cytochrome P-450Aldo; steroid 11-beta-monooxygenase; steroid 11-beta/18-hydroxylase; aldosterone-synthesizing enzyme; steroid 18-hydroxylase, aldosterone synthase, P450C18, P450aldo; mitochondrial cytochrome P450, family 11, subfamily B, polypeptide 2; cytochrome P450, subfamily XIB (steroid 11-beta-hydroxylase), polypeptide 2
UniProt Protein Name	Cytochrome P450 11B2, mitochondrial
UniProt Gene Name	CYP11B2
UniProt Synonym Gene Names	ALDOS
UniProt Entry Name	C11B2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cyp11b2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113340>