

Steroid 21-hydroxylase (CYP21A2) Recombinant Protein | CYP21A2 recombinant protein

Recombinant Human Steroid 21-hydroxylase (CYP21A2)

CATALOG # AAA18457	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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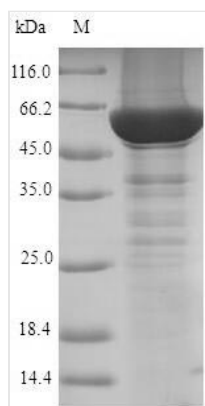
PRODUCT SYNONYMS

Steroid 21-hydroxylase (CYP21A2); Recombinant Human Steroid 21-hydroxylase (CYP21A2); 21-OHase; Cytochrome P-450c21; Cytochrome P450 21; Cytochrome P450 XXI; Cytochrome P450-C21; Cytochrome P450-C21B; CYP21A2 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	1-494a; Full Length
Sequence	MLLLGLLLLP LLAGARLLWN WWKLRS LHLP PLAPGFLHLL QPDLPIYLLG LTQKFGPIYR LHLGLQDVVV LNSKRTIEEA MVKKWADFAG RPEPLTYKLV SKNYPDL SLG DYSLLWKAHK KLTRSALLG IRDSMEPVVE QLTQEFCEM RAQPGTPVAI EEEFSLTCS IICYLTFGDK IKDDNLMPAY YKCIQEV LKT WSHWSIQIVD VIPFLRFFPN PGLRRLKQAI EKR DHIVEMQ LRQH KESLVA GQWRDMMDYM LQGVAQPSME EGSGQLLEGH VHMAAVDLLI GGTETTANTL SWAVVFLHH PEIQRLQEE LDHELGP GAS SSRVPYKDRA RLPLLNATIA EVLRLRPVVP LALPHRTTRP SSISGYDIPE GTVIIPNLQG AHLDET VWER PHEFWPDRFL EPGKNSRALA FGCGARVCLG EPLARLELFV VLTRLLQAFT LLPSGDALPS LQPLPHCSVI LKMQPFQVRL QPRGMGAHSP GQNQ
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CYP21A2 recombinant protein	Specifically catalyzes the 21-hydroxylation of steroids. Required for the adrenal synthesis of mineralocorticoids and glucocorticoids.
Product Categories/Family for CYP21A2 recombinant protein	Cancer

Complete nucleotide sequence of two steroid 21-hydroxylase genes tandemly arranged in human chromosome a pseudogene and a genuine gene. Higashi Y., Yoshioka H., Yamane M., Gotoh O., Fujii-Kuriyama Y. *Proc. Natl. Acad. Sci. U.S.A.* 83:2841-2845(1986) Structure of human steroid 21-hydroxylase genes. White P.C., New M.I., Dupont B. *Proc. Natl. Acad. Sci. U.S.A.* 83:5111-5115(1986) Molecular characterization of the HLA-linked steroid 21-hydroxylase B gene from an individual with congenital adrenal hyperplasia. Rodrigues N.R., Dunham I., Yu C.Y., Carroll M.C., Porter R.R., Campbell R.D. *EMBO J.* 6:1653-1661(1987) Nonsense mutation causing steroid 21-hydroxylase deficiency. Globerman H., Amor M., Parker K.L., New M.I., White P.C. *J. Clin. Invest.* 82:139-144(1988) R339H and P453S CYP21 mutations associated with nonclassic steroid 21-hydroxylase deficiency that are not apparent gene conversions. Helmberg A., Tusie-Luna M.-T., Tabarelli M., Kofler R., White P.C. *Mol. 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NCBI AND UNIPROT INFORMATION

NCBI GI #	323510663
NCBI GeneID	1589
NCBI Accession #	NP_000491.4
NCBI GenBank Nucleotide #	NM_000500.7
UniProt Accession #	P08686; P04033; Q01204; Q08AG8; Q16749; Q16806; Q5ST44; Q96NU8; A2BHY6
Molecular Weight	57.9 kDa
NCBI Official Full Name	steroid 21-hydroxylase isoform a
NCBI Official Synonym Full Names	cytochrome P450 family 21 subfamily A member 2
NCBI Official Symbol	CYP21A2
NCBI Official Synonym Symbols	CAH1; CPS1; CA21H; CYP21; CYP21B; P450c21B
NCBI Protein Information	steroid 21-hydroxylase
UniProt Protein Name	Steroid 21-hydroxylase
UniProt Gene Name	CYP21A2
UniProt Synonym Gene Names	CYP21; CYP21B
UniProt Entry Name	CP21A_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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