

Steroid 17-alpha-hydroxylase/17,20 lyase Recombinant Protein | Cyp17a1 recombinant protein

Recombinant Rat Steroid 17-alpha-hydroxylase/17,20 lyase

CATALOG # AAA114031	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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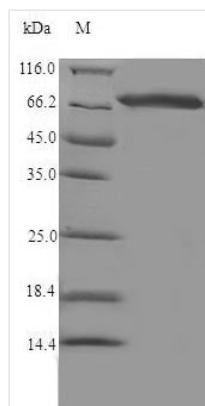
PRODUCT SYNONYMS

Steroid 17-alpha-hydroxylase/17; 20 lyase; Recombinant Rat Steroid 17-alpha-hydroxylase/17; Rattus norvegicus (Rat); Cyp17a1 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	1-507aa; Full Length
Sequence	MWELVGLLLL ILAYFFWVKS KTPGAKLPRS LPSLPLVGSL PFLPRRGHMH VNFFKLQEKY GPIYSLRLGT TTTVIIIGHYQ LAREVLIKKG KEFSGRPQMV TQSLLSDQ GK GVAFADAGSS WHLHRKLVFS TFSLFKDGQK LEKLICQEAQ SLCDMMLAHD KESIDLSTPI FMSVTNIICA ICFNISYEKN DPKLTAIKTF TEGIVDATGD RNLVDIFPWL TIFPNKGLEV IKGYAKVRNE VLTGIFEKCR EKFDSSQISS LTDILIAKM NSDNNNSCEG RDPDVFSRDR ILATVGDIFG AGIETTTTVL KWILAFLVHN PEVKKKIQKE IDQYVGFSRT PTFNDRSHLL MLEATIREVL RIRPVAPMLI PHKANVDSSI GEFTVPKDT H VVNLWALHH DENEWDQPDQ FMPEFLDPT GSHLITPTS YLPFGAGPRS CIGELARQE LFVFTALLQ RFDLDVSDDK QLPRLEGDPK VVFLIDPFKV KITVRQAWMD AQAEVST
Sequence Length	507
Species	Rat
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 Cyp17a1 recombinant protein	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.
Product Categories/Family for Cyp17a1 recombinant protein	Metabolism
References	"Rat P450(17 alpha) from testis: characterization of a full-length cDNA encoding a unique steroid hydroxylase capable of catalyzing both delta 4- and delta 5-steroid-17,20-lyase reactions." Fevold H.R., Lorence M.C., McCarthy J.L., Trant J.M., Kagimoto M., Waterman M.R., Mason J.I. Mol. Endocrinol. 3:968-975(1989)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978731
NCBI GeneID	25146
NCBI Accession #	NP_036885.1
NCBI GenBank Nucleotide #	NM_012753.2
UniProt Accession #	P11715; Q68FY2; Q6LAE5
Molecular Weight	73.3 kDa
NCBI Official Full Name	steroid 17-alpha-hydroxylase/17,20 lyase
NCBI Official Synonym Full Names	cytochrome P450, family 17, subfamily a, polypeptide 1
NCBI Official Symbol	Cyp17a1
NCBI Official Synonym Symbols	Cyp17
NCBI Protein Information	steroid 17-alpha-hydroxylase/17,20 lyase
UniProt Protein Name	Steroid 17-alpha-hydroxylase/17,20 lyase
UniProt Gene Name	Cyp17a1
UniProt Synonym Gene Names	Cyp17; Cytochrome P450c17
UniProt Entry Name	CP17A_RAT

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://www.aaabiotech.com/cyp17a1-recombinant-protein-e-coli/114031>