

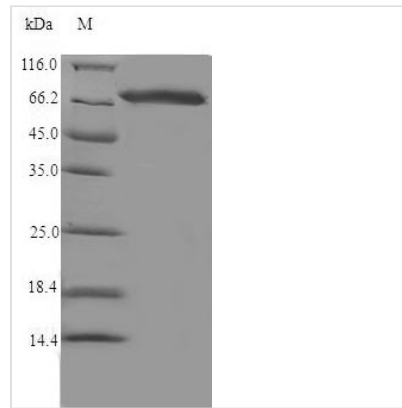


# Recombinant Rat Steroid 17-alpha-hydroxylase/17,20 lyase(Cyp17a1)

<b>Product Code</b>	CSB-EP006392RA
<b>Relevance</b>	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.
<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>	P11715
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Alias</b>	17-alpha-hydroxyprogesterone aldolase CYPXVII Cytochrome P450 17A1 Cytochrome P450-C17 Short name: Cytochrome P450c17
<b>Product Type</b>	Recombinant Protein
<b>Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MWELVGLLLLILAYFFWVKSKTPGAKLPRSLPSLPLVGSPLPFLPRRGHMHVNF FKLQEKYGPISLRLGTTTTVIIGHYQLAREVLIKKGKEFSGRPQMVTQSLLSDQ GKGVAFADAGSSWHLHRKLVFSTFSLFKDGGQKLEKLCQEAKSLCDMMLAHD KESIDLSTPIFMSVTNICAICFNISYEKNDPKLTAIKTFTEGIVDATGDRNLVDIFP WLTIFPNKGLEVIKGYAKVRNEVLTGIFEKCREKFDSQSISSLDILIQAKMNSD NNNSCEGRDPDVFSDRHILATVGDIFGAGIETTTVLKWILAFLVHNPEVKKKIQ KEIDQYVGFSTRPTFNDRSHLLMLEATIREVLRIRPVAPMLIPHKANVDSSIGEF TVPKDTHTVVVNLWALHHDENEWDQPDQFMPERFLDPTGSHLITPTQSYLPFG AGPRSCIGEALARQELFVFTALLLQRFDLVSDDKQLPRLEGDPKVVFLIDPFK VKITVRQAWMDAQAEVST
<b>Research Area</b>	Metabolism
<b>Source</b>	E.coli
<b>Gene Names</b>	Cyp17a1
<b>Expression Region</b>	1-507aa
<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-SUMO-tagged
<b>Mol. Weight</b>	73.3kDa
<b>Protein Description</b>	Full Length



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.