

Cytochrome P450 19A1 (CYP19A1) Recombinant Protein | CYP19A1 recombinant protein

Recombinant Human Cytochrome P450 19A1 (CYP19A1)

CATALOG # AAA113650	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

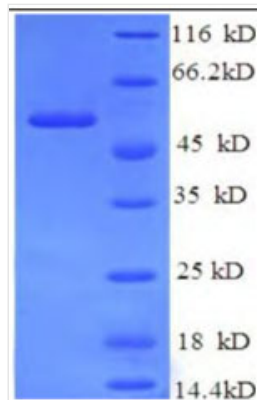
PRODUCT SYNONYMS

Cytochrome P450 19A1 (CYP19A1); Recombinant Human Cytochrome P450 19A1 (CYP19A1); CYP19A1 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	1-503aa; Full Length
Sequence	MVLEMLNPIH YNITSIVPEA MPAATMPVLL LTGLFLLVWN YEGTSSIPGP GYCMGIGPLI SHGRFLWMGI GSACNYYNRV YGEFMRVWIS GEETLIISKS SSMFHIMKHN HYSSRFGSKL GLQCIGMHEK GIIFNNNP WKTRPFFMK ALSGPGLVRM VTVCAESLKT HLDRLLEVTN ESGYVDVLT LRRVMLDTSN TLFLRIPLDE SAIVVKIQGY FDAWQALLIK PDIFFKISWL YKKEYSVKD LKDAIEVLIA EKRRRISTEE KLEECMDFAT ELILAEKRGD LTRENVNQC LEMLIAAPDT MSVSLFFMLF LIAKHPNVEE AIIKEIQTVI GERDIKIDDI QKLKVMENFI YESMRYQPVV DLVMRKALED DVIDGYPVKK GTNIILNIGR MHRLEFFPKP NEFTLENFAK NVPYRYFQPF GFGPRGCAGK YIAMVMMKAI LVTLLRRFHV KTLQGQCVES IQKIHDLSLH PDETKNMLEM IFTPRNSDRC LEH
Species	Human
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 CYP19A1 recombinant protein	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis, three successive hydroxylations of the A ring of androgens. Mutations in this gene can result in either increased or decreased aromatase activity; the associated phenotypes suggest that estrogen functions both as a sex steroid hormone and in growth or differentiation. The gene expresses two transcript variants.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	13904858
NCBI GeneID	1588
NCBI Accession #	NP_000094.2
NCBI GenBank Nucleotide #	NM_000103.3
UniProt Accession #	P11511; Q16731; Q3B764; Q58FA0; Q8IYJ7
Molecular Weight	24,518 Da
NCBI Official Full Name	aromatase
NCBI Official Synonym Full Names	cytochrome P450 family 19 subfamily A member 1
NCBI Official Symbol	CYP19A1
NCBI Official Synonym Symbols	ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM
NCBI Protein Information	aromatase
UniProt Protein Name	Aromatase
UniProt Gene Name	CYP19A1
UniProt Synonym Gene Names	ARO1; CYAR; CYP19

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.