

Cholesterol 7-alpha-monooxygenase (CYP7A1) Recombinant Protein | CYP7A1 recombinant protein

Recombinant Human Cholesterol 7-alpha-monooxygenase (CYP7A1)

CATALOG # AAA113754	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Cholesterol 7-alpha-monooxygenase (CYP7A1); Recombinant Human Cholesterol 7-alpha-monooxygenase (CYP7A1); CYP7A1 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	32-504. Partial
Sequence	PPLENGLIPY LGCALQFGAN PLEFLRANQR KHGHVFTCKL MGKYVHFITN PLSYHKVLCH GKYFDWKKFH FATSAKAFGH RSIDPMDGNT TENINDTFIK TLQGHALNSL TESMMENLQR IMRPPVSSNS KTAAWVTEGM YSFCYRVMFE AGYLTIFGRD LTRRDTQKAH ILNLDNFKQ FDKVFPALVA GLPIHMFRTA HNAREKLAES LRHENLQKRE SISELISLRM FLNDTLSTFD DLEKAKTHLV VLWASQANTI PATFWSLFQM IRNPEAMKAA TEEVKRTLEN AGQKVSLEGN PICLSQAELN DLPVLDSIIK ESLRLSSASL NIRTAKEDFT LHLEDGSYNI RKDDIIALYP QLMHLDPEIY PDPLTFKYDR YLDENGKTKT TFYCNGCLKL YYMPFGSGA TICPGRLFAI HEIKQFLILM LSYFELELIE GQAKCPPLDQ SRAGLGILPP LNDIEFKYKF KHL
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.

ADDITIONAL INFORMATION

Related Product Information for CYP7A1 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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166295200
NCBI GeneID	1581
NCBI Accession #	NP_000771.2
NCBI GenBank Nucleotide #	NM_000780.3
UniProt Accession #	P22680; P78454; Q3MIL8; Q7KZ19
Molecular Weight	57,661 Da
NCBI Official Full Name	cholesterol 7-alpha-monooxygenase

NCBI Official Synonym Full Names	cytochrome P450 family 7 subfamily A member 1
NCBI Official Symbol	CYP7A1
NCBI Official Synonym Symbols	CP7A; CYP7; CYPVII
NCBI Protein Information	cholesterol 7-alpha-monooxygenase
UniProt Protein Name	Cholesterol 7-alpha-monooxygenase
UniProt Gene Name	CYP7A1
UniProt Synonym Gene Names	CYP7

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cyp7a1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113754>