

7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase (CYP8B1) Recombinant Protein | CYP8B1 recombinant protein

Recombinant Human 7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase (CYP8B1), partial

CATALOG # AAA116999	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase (CYP8B1); Recombinant Human 7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase (CYP8B1); partial; CYP8B1 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	22-501aa; Partial
Sequence	PGMLRQRRPW EPPLDKGTVP WLGHAMAFRK NMFEFLKRM R TKHGDVFTVQ LGGQYFTFVM DPLSFGSILK DTQRKLDGQ YAKKLVLKVF GYRSVQGDHE MIHSASTKHL RGDGLKDLNE TMLDSLFSVM LTSKGWSLDA SCWHEDSLFR FCYYILFTAG YLSLFGYTKD KEQDLLQAGE LFMEFRKFDL LFPRFVYSL WPREWLEVGR LQRLFHKMLS VSHSQEKEGI SNWLG NMLQF LREQGVPSAM QDKFNFMLW ASQGNTGPTS FWALLYLLKH PEAIRAVREE ATQVLGEARL ETKQSFAFKL GALQHTPVLD SVVEETLRLR AAPTLLRLVH EDYTLKMSSG QEYLF RHGDI LALFPYLSVH MDPDIHPEPT VF KYDRFLNP NGSRKVDFFK TGKKIHHYTM PWGSGVSICP GRFFALSEVK LFILLMVTHF DLELVDPDTP LPHVDPQRWG FGTMQPSHDV RFRYRLHPT E
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 CYP8B1 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 conversion of 7 alpha-hydroxy-4-cholesten-3-one into 7-alpha,12-alpha-dihydroxy-4-cholesten-3-one. The balance between these two steroids determines the relative amounts of cholic acid and chenodeoxycholic acid both of which are secreted in the bile and affect the solubility of cholesterol. This gene is unique among the cytochrome P450 genes in that it is intronless.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166362724
NCBI GeneID	1582
NCBI Accession #	NP_004382.2
NCBI GenBank Nucleotide #	NM_004391.2
UniProt Accession #	Q9UNU6; O75958; Q6NWT2; Q6NWT3; B2RCY3
Molecular Weight	58,068 Da

NCBI Official Full Name	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450 family 8 subfamily B member 1
NCBI Official Symbol	CYP8B1
NCBI Official Synonym Symbols	CP8B; CYP12
NCBI Protein Information	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
UniProt Protein Name	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase
UniProt Gene Name	CYP8B1
UniProt Synonym Gene Names	CYP12

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://stage.aaabiotech.com/cyp8b1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116999>