



Recombinant Human 24-hydroxycholesterol 7-alpha-hydroxylase (CYP39A1)

Product Code	CSB-BP882143HU
Abbreviation	CYP39A1
Storage	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.
Uniprot No.	Q9NYL5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MELISPTVII ILGCLALFLL LQRKNLRRPP CIKGWIPWIG VGFEFGKAPL EFIEKARIKY GPIFTVFAMG NRMTFVTEEE GINVFLKSKK VDFELAVQNI VYRTASIPKN VFLALHEKLY IMLKGKMGTV NLHQFTGQLT EELHEQLENL GTHGTMDLNN LVRHLLYPVT VNMLFNKSLF STNKKKIKEF HQYFQVYDED FEYGSQ LPEC LLRNWSKSKK WFLELFEKNI PDIKACKSAK DNSMTLLQAT LDIVETETSK ENSPNYGLLL LWASLSNAVP VAFWTLAYVL SHPDIHKAIM EGISSVFGKA GKDKIKVSED DLENLLLIKW CVLETIRLKA PGVITRKVVK PVEILNYIIP SGDLLMLSPF WLHRNPKYFP EPELFPKPERW KKANLEKHSF LDCFMAFGSG KFQCPARWFA LLEVQMCIIIL ILYKYDCSLL DPLPKQSYLH LVGVPQPEGQ CRIEYKQRI
Source	Baculovirus
Target Names	CYP39A1
Protein Names	Recommended name: 24-hydroxycholesterol 7-alpha-hydroxylase EC=1.14.13.99 Alternative name(s): Cytochrome P450 39A1 Short name=hCYP39A1 Oxysterol 7-alpha-hydroxylase
Expression Region	1-469
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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 protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.