



Recombinant Human Cytochrome P450 2A7 (CYP2A7)

Product Code	CSB-EP006411HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P20853
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MLASGLLLVA LLACLTVMVL MSVWQQRKSR GKLPPGPTPL PFIGNYLQLN TEHICDSIMK FSECYGPVFT IHLGPRRVVV LCGHDAVREA LVDQAEFSG RGEQATFDWV FKGYGVAFSN GERAQQLRF AIATLRDFGV GKRGIEERIQ EESGFLIEAI RSTHGANIDP TFFLSRTVSN VISSIVFGDR FDYEDKEFLS LLSMMLGIFQ FTSTSTGQLY EMFSSVMKHL PGPQQQAFKL LQGLEDFIAK KVEHNQRTL D PNSPQDFIDS FLIHMQEEK NPNTFYLN LMMSTLNLFI AGTETVSTTL RYGFLLMKH PEVEAKVHEE IDRVIKGNRQ PKFEDRTKMP YMEAVIHEIQ RFGDVIPMSL ARRVKKDTKF RFFFLPKGTE VFPMLGSLR DPSFFSNPQD FNPQHFLDDK GQFKKSDAFV PFSIGKRNCF GEGLARMELF LFFTTVMQNF RLKSSQSPKD IDVSPKHVVF ATIPRNYTMS FLPR
Source	E.coli
Target Names	CYP2A7
Protein Names	Recommended name: Cytochrome P450 2A7 EC= 1.14.14.1 Alternative name(s): CYP1A7 Cytochrome P450 1A4
Expression Region	1-494
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	The cytochrome P450 superfamily of enzymes are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The CYP2 gene cluster on chromosome 19q13.2 includes several genes and pseudogenes from the CYP2A, CYP2B, and CYP2F subfamilies.
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.