



Recombinant Human Cytochrome P450 2A13 (CYP2A13)

Product Code	CSB-EP621969HU-B
Abbreviation	CYP2A13
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.	Q16696
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MLASGLLLVT LLACLTVMVL MSVWRQRKSR GKLPPGPTPL PFIGNYLQLN TEQMYNSLMK ISERYGPVFT IHLGPRRVVV LCGHDAVKEA LVDQAEFSG RGEQATFDWL FKGYGVAFSN GERAQQLRRF SIATLRGFGV GKRGIEERIQ EEAGFLIDAL RGTHGANIDP TFFLSRTVSN VISSIVFGDR FDYEDKEFLS LLRMMLGSFQ FTATSTGQLY EMFSSVMKHL PGPQQQAFKE LQGLEDFIAK KVEHNQRTLD PNSPRDFIDS FLIRMQEEEEK NPNTEFYLNK LVMTTLNLFF AGTETVSTTL RYGFLLLMKH PEVEAKVHEE IDRVIKGNRQ PKFEDRAKMP YTEAVIHEIQ RFGDMLPMGL AHRVKNKDTKF RFFFLPKGTE VFPMLGSVLR DPRFFSNPRD FNPQHFLDKK GQFKKSDAFV PFSIGKRYCF GEGLARMELF LFFTTIMQNF RFKSPQSPKD IDVSPKHVGF ATIPRNYTMS FLPR
Source	E.coli
Target Names	CYP2A13
Protein Names	Recommended name: Cytochrome P450 2A13 EC= 1.14.14.1 Alternative name(s): CYP1A13
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	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. Although its endogenous substrate has not been determined, it is known to metabolize 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, a major nitrosamine specific to tobacco. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.



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

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