



Recombinant Human Cytochrome P450 2J2 (CYP2J2)

Product Code	CSB-MP006430HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P51589
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MLAAMGSLAA ALWAVVHPRT LLLGTVAFL AADFLKRRRP KNYPPGPWRL PFLGNFFLVD FEQSHLEVQL FVKKYGNLFS LELGDISAVL ITGLPLIKEA LIHMDQNFGN RPVTPMREHI FKKNGLIMSS GQAWKEQRRF TLTALRNFG GKKSLEERIQ EEAQHLTEAI KEENGQPFDP HFKINNAVSNIICSITFGER FEYQDSWFQQ LLKLLDEVTY LEASKTCQLY NVFPWIMKFL PGPHQTLFSN WKKLKLFVSH MIDKHRKDOWN PAETRD FIDA YLKEMSKHTG NPTSSFHEEN LICSTLDLFF AGTETTSTTL RWALLYMALY PEIQEKVQAE IDR VIGQGQQ PSTAARESMP YTN AVIHEVQ RMGNIIP LNV PREVTVD TTL AGYHLPKGT M ILTNLTALHR DPT EWATPDT FNP DHFLENG QFKKREAFMP FSIGKRA CLG EQLARTE LFI FFTSLMQKFT FRPPNNEKLS LKFRMGITIS PVSHRLCAVP QV
Source	Mammalian cell
Target Names	CYP2J2
Protein Names	Recommended name: Cytochrome P450 2J2 EC= 1.14.14.1 Alternative name(s): Arachidonic acid epoxygenase CYP11J2
Expression Region	1-502
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 and is thought to be the predominant enzyme responsible for epoxidation of endogenous arachidonic acid in cardiac tissue.
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.