



Recombinant Human Cytochrome P450 2C18 (CYP2C18)

Product Code	CSB-EP006416HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P33260
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDPAVALVLC LSCLFLLSLW RQSSGRGRLP SGPTPLPIIG NILQLDVKDM SKSLTNFSKV YGPVFTVYFG LKPIVVLHGY EAVKEALIDH GEEFSGRGSF PVAEKVNKGL GILFSNGKRW KEIRRFCLMT LRNFGMGKRS IEDRVQEEAR CLVEELRKTN ASPCDPTFIL GCAPCNVICS VIFHDFDYK DQRFLNLMEK FNENLRILSS PWIQVCNNFP ALIDYLPESH NKIAENFAYI KSYVLERIKE HQESLDMNSA RDFIDCFLIK MEQEKHNNQS EFTVESLIAT VTDMFGAGTE TTSTTLRYGL LLLKYPEVT AKVQEEIECV VGRNRSPCMQ DRSHMPYTDA VVHEIQRYID LLPTNLPHAV TCDVKFKNYL IPKGTTIITS LTSVLHNDKE FPNPEMFDPG HFLDKSGNFK KSDYFMPFSA GKRMCMGEGL ARMELFLFLT TILQNFNLKS QVDPKDIDIT PIANAFGRVP PLYQLCFIPV
Source	E.coli
Target Names	CYP2C18
Protein Names	Recommended name: Cytochrome P450 2C18 EC= 1.14.14.1 Alternative name(s): CYP11C18 Cytochrome P450-6b/29c
Expression Region	1-490
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 but its specific substrate has not yet been determined. The gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. An additional gene, CYP2C17, was once thought to exist; however, CYP2C17 is now considered an artefact based on a chimera of CYP2C18 and CYP2C19. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
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.