



# Recombinant Human Cytochrome P450 2F1 (CYP2F1)

<b>Product Code</b>	CSB-EP006426HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P24903
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDSISTAILL LLLALVCLLL TLSSRDKGKL PPGPRPLSIL GNLLLLCSQD MLTSLTKLSK EYGSMYTVHL GPRRVVVLG YQAVKEALVD QGEEFSGRGD YPAFFNFTKG NGIAFSSGDR WKVLRQFSIQ ILRNFGMGKR SIEERILEEG SFLLAELRKT EGEPFDPTFV LRSVSNIIC SVLFGSRFDY DDERLLTIIR LINDNFQIMS SPWGELYDIF PSLLDWVPGP HQRIFQNFKC LRDLIAHSVH DHQASLDPRS PRDFIQCFLT KMAEEKEDPL SHFHMDTLLM TTHNLLFGGT KTVSTTLHHA FLALMKYPKV QARVQEEIDL VVGRARLPAL KDRAAMPYTD AVIHEVQRFA DIIPMNLPHR VTRDTAFRGF LIPKGTDVIT LLNTVHYDPS QFLTPQEFNP EHFLDANQSF KKSPAFMPFS AGRRLCLGES LARMELFLYL TAILQSFSLQ PLGAPEDIDL TPLSSGLGNL PRPFQLCLRP R
<b>Source</b>	E.coli
<b>Target Names</b>	CYP2F1
<b>Protein Names</b>	Recommended name: Cytochrome P450 2F1 EC= 1.14.14.1 Alternative name(s): CYP1IF1
<b>Expression Region</b>	1-491
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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 known to dehydrogenate 3-methylindole, an endogenous toxin derived from the fermentation of tryptophan, as well as xenobiotic substrates such as naphthalene and ethoxycoumarin. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.
<b>Reconstitution</b>	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.

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**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.