



# Recombinant Human Cytochrome P450 4B1 (CYP4B1)

<b>Product Code</b>	CSB-MP006448HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P13584
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	VPSFLSLSF SSLGLWASGL ILVLGFLKLI HLLRRQTLA KAMDKFPGPP THWLFQGHLE IQETGSLDKV VSWAHQFPYA HPLWFGQFIG FLNIYEPDYA KAVYSRQDPK APDVYDFFLQ WIGRGLLVLE GPKWLQHRKL LTPGFHYDVL KPYVAVFTES TRIMLDKWEE KAREGKSFDI FCDVGHMALN TLMKCTFGRG DTGLGHRDSS YYLAVSDTL LMQQRLVSFQ YHNDFIYWLT PHGRRFLRAC QVAHDHTDQV IRERKAALQD EKVRKKIQNR RHLDFLDILL GARDEDDIKL SDADLRAEVD TFMFEGHDTT TSGISWFLYC MALYPEHQHR CREEVREILG DQDFFQWDDL GKMTYLTMC I KESFRLYPPV PQVYRQLSKP VTFVDGRSLP AGSLISMHIY ALHRNSAVWP DPEVFDLRF STENASKRHP FAFMPFSAGP RNCIGQQFAM SEMKVVTAMC LLRFEFSLDP SRLPIKMPQL VLRSKNGFHL HLKPLGPGSG K
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CYP4B1
<b>Protein Names</b>	Recommended name: Cytochrome P450 4B1 EC= 1.14.14.1 Alternative name(s): CYP4B1 Cytochrome P450-HP
<b>Expression Region</b>	2-511
<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 of Mature 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. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined. Two transcript variants encoding slightly different isoforms have been found for this gene.
<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.