



# Recombinant Human Cytochrome P450 2B6 (CYP2B6)

<b>Product Code</b>	CSB-EP006414HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20813
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MELSVLLFLA LLTGLLLLLV QRHPNTHDRL PPGPRPLPLL GNLLQMDRRG LLKSFLRFRE KYGDVFTVHL GPRPVVMLCG VEAIREALVD KAEAFSGRGK IAMVDPFFRG YGVIFANGNR WKVLRRF SVT TMRDFGMGKR SVEERIQEEA QCLIEELRKS KGALMDPTFL FQSITANIIC SIVFGKRFHY QDQEFLKMLN LFYQTFSLIS SVFGQLFELF SGFLKYFPGA HRQVYKNLQE INAYIGHSVE KHRETLDPSA PKDLIDTYLL HMEKEKSNAH SEFSHQNLNL NTLSLFFAGT ETTSTTLRYG FLLMLKYPHV AERVYREIEQ VIGPHRPEL HDRAKMPYTE AVIYEIQRFS DLLPMGVPHI VTQHTSFRGY IIPKDTEVFL ILSTALHDPH YFEKPDAFNP DHFLDANGAL KKTEAFIPFS LGKRICLGEG IARAELFLFF TTILQNFSMA SPVAPEDIDL TPQECGVGKI PPTYQIRFLP R
<b>Source</b>	E.coli
<b>Target Names</b>	CYP2B6
<b>Protein Names</b>	Recommended name: Cytochrome P450 2B6 EC= 1.14.14.1 Alternative name(s): CYP2B6 Cytochrome P450 IIB1
<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, CYP2B6, 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 its expression is induced by phenobarbital. The enzyme is known to metabolize some xenobiotics, such as the anti-cancer drugs cyclophosphamide and ifosfamide. Transcript variants for this gene have been described; however, it has not been resolved whether these transcripts are in fact produced by this gene or by a closely related pseudogene, CYP2B7. Both the gene and the pseudogene are located in the middle of a CYP2A pseudogene found in a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.



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**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.

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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.