



# Recombinant Mouse Cytochrome P450 4B1 (Cyp4b1)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-BP734106MO  |
| <b>Abbreviation</b>      | Cyp4b1  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q64462  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | ALSFLSPSL SRLGLWASVV ILMVTVLKLK SLLFRRQKLA RALDSFPGPP<br>KHWLFGHALE IQKTGGLDKV VTWTEQFPYA HPLWLGQFIV FLNIYEPDYA<br>KAVYSRGPDK AAYVYDFFLQ WIGKGLLVLE GPKWFQHRKL LTPGFHYDVL<br>KPYVAIFAES TRVMLDKWEK KASENKSFDI FCDVGHMALD TLMKCTFGKG<br>DSGLSHSDNS YYLAVSDLTL LMQQRIDSFQ YHNDFIYWLT PHGRRFLRAC<br>QIAHDHTDHV IRQRKAALQD EKEQKQLQER RHLDFLDILL GARDESGIKL<br>SDADLRAEVD TFMFEGHDTT TSGISWFLYC MALYPMHQQR CREEVREILG<br>DRDSFQWDDL AQMTYLTMCM KECFRLYPPV PQVYRQLSKP VTFVDGRSLP<br>AGSLISLHIY ALHRNSAVWP DPEVFDPLRF SPENMTGRHP FAFMPFSAGP<br>RNCIGQQFAM NEMKVVTALC LLRFEFSPDP SKIPIKVPQL ILRSKNGIHL<br>YLKPLGPGSG K |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | Cyp4b1  |
| <b>Protein Names</b>     | Recommended name: Cytochrome P450 4B1 EC= 1.14.14.1 Alternative name(s): CYPIVB1  |
| <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.

---

**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.