



# Recombinant Mouse Cytochrome P450 1B1 (Cyp1b1)

<b>Product Code</b>	CSB-EP720672MO-B
<b>Abbreviation</b>	Cyp1b1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q64429
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MATLSADSP QQLSSLSTQQ TLLLLLFSVL AAVHLGQWLL RQWQRKPWSS PPGPPFWPLI GNAAAVGQAS HLYFARLARR YGDVFQIRLG SCPVVVLNGE SAIHQALVQQ GSIFADRPPF ASFRVVS GGR SLAFGHYSEH WKTQRRSAYS TMRAFSTRHP RSRGLLEGHA LAEARELVAV LVRRRCAGGAF LDPTQPVIVA VANVMSAVCF GCRYNHDDAE FLELLSHNEE FGRTVGAGSL VDVLPWLQLF PNPVRTTFRK FEQLNRNFSN FVLDKFLRHR ESLVPGAAPR DMTDAFILSA EKKASGAPGD DSSGLDLEDV PATITDIFGA SQDTLSTALL WLLILFTRYP DVQARVQAE L DQVVGRDRLP CMSDQPNLPY VMAFLYESMR FSSFLPVTIP HATTANTFVL GYYIPKNTVV FVNQWSVNHD PAKWPNPEDF DPARFLDKDG FINKALASSV MIFSVGKRRC IGEELSKMLL FLFISILAHQ CNFKANQNES SNMSFSYGLT IKPKSFRIHV SLRESMELLD NAVKKLQTEE GCK
<b>Source</b>	E.coli
<b>Target Names</b>	Cyp1b1
<b>Protein Names</b>	Recommended name: Cytochrome P450 1B1 EC= 1.14.14.1 Alternative name(s): CYPIB1 Cytochrome P450CMEF Short name= Cytochrome P450EF
<b>Expression Region</b>	1-543
<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. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma; therefore it is thought that the



enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid.

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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**

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