



# Recombinant Mouse Platelet glycoprotein Ib alpha chain (Gp1ba), partial

<b>Product Code</b>	CSB-YP009685MO1
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O35930
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>QHTC SISKVTSLE VNCENKKLTA LPADLPADTG ILHLGENQLG  TFSTASLVHF THLTYLYLDR CELTSLQTNG KLIKLENLDL SHNNLKSLPS  LGWALPALTT LDVSNKLGSLSPGVLDGLS QLQELYLQNN DLKSLPPGLL  LPTTKLKKLN LANNKLRELP SGLLDGLEDL DTLYLQRNWL RTIPKGGFTG  LLLPFVFLHA NSWYCDCEIL YFRHWLQENA NNVYLWKQGV DVKDTTPNVA  SVRCANLDNA PVYSYPGKGC PTSSGDTDYD DYDDIPDVPA TRTEVKFSTN  TKVHTTHWSL LAAAPSTSQD SQMISLPPTH KPTKKQSTFI HTQSPGFTTL  PETMESNPTF YSLKLNTVLI PSPTTLEPTS TQATPEPNIQ PMLTTSTLTT  PEHSTTPVPT TTILTTPEHS TIPVPTTAIL TTPKPSTIPV PTTATLTTLE  PSTTPVPTTA TLTTPEPSTT LVPTTATLTT PEHSTTPVPT TATLTTPEHS  TTPVPTTATL TTPEPSTTLT NLVSTISPVL TTTLTTPEST PIETILEQFF  TTELTLLPTL ESTTTIPEQ NSFLNLPEVA LVSSDTSESS PFLNSDFCCF LP</p>
<b>Source</b>	Yeast
<b>Target Names</b>	Gp1ba
<b>Protein Names</b>	Recommended name: Platelet glycoprotein Ib alpha chain Short name= GP-Ib alpha Short name= GPIb-alpha Short name= GPIbA Short name= Glycoprotein IbalphaAlternative name(s): CD_antigen= CD42b
<b>Expression Region</b>	17-612
<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>	Partial
<b>Target Details</b>	<p>Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that are linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Several polymorphisms and mutations have been described in this gene, some of which are the cause of</p>



Bernard-Soulier syndromes and platelet-type von Willebrand disease.

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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.