



# Recombinant Mouse Guanylate cyclase soluble subunit beta-1 (Gucy1b3)

<b>Product Code</b>	CSB-EP010052MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O54865
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MYGFVNHLE LLVIRNYGPE VWEDIKKEAQ LDEEGQFLVR IYDDSKTYD  LVAASKVLN LNAGEILQMF GKMFFVFCQE SGYDTILRVL GSNVREFLQN  LDALHDHLAT IYPGMRAPSF RCTDAEKGGK LILHYYSERE GLQDIVIGII  KTVAQQIHGT EIDMKVIQQR NEECDHTQFL IEEKESKEED FYEDLDRFEE  NGTQESRISP YTFCKAFPFFH IIFDRNLVVT QCGNAIYRVL PQLQPGNCSL  LSVFSLVRPH IDISFHGILS HINTVFLRS KEGLLDVEKL ECEDELTAE  ISCLRLKGQM IYLPEADSIL FLCSPSVMNL DDLTRRGLYL SDIPLHDATR  DLVLLGEQFR EYKLTQELE ILTDRQLTL RALEDEKKKT DTLLYSVLPP  SVANELRHKR PVPARYDNV TILFSGIVGF NAFCSKHASG EGAMKIVNLL  NDLYTRFDL TDSRKNPFVY KVETVGDYKYM TVSGLPEPCI HHARSICHLA  LDMMEIAGQV QVDGESVQIT IGIHTGEVVT GVIGQRMPLY CLFGNTVNLT  SRTETTGEKG KINVSEYTYR CLMSPENSDP LFHLEHRGPV SMKGKKEPMQ  VWFLSRKNTG TEETNEEDEN</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Gucy1b1
<b>Protein Names</b>	Recommended name: Guanylate cyclase soluble subunit beta-1 Short name= GCS-beta-1 EC= 4.6.1.2 Alternative name(s): Guanylate cyclase soluble subunit beta-3 Short name= GCS-beta-3 Soluble guanylate cyclase small subunit
<b>Expression Region</b>	1-620
<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>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.
<b>Shelf Life</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.