



# Recombinant Mouse Glycogen [starch] synthase, liver (Gys2)

<b>Product Code</b>	CSB-BP851815MO
<b>Abbreviation</b>	Gys2
<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>	Q8VCB3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLRGRSLSVT SLGGLPVWEA ERLPVEDLLL FEVSWEVTNK VGGICTVIQT KAKTTADEWG ENYFLIGPYF EHNMKTQVEQ CEPTNDAVRK AVDAMNKHGC QVHFGRWLIE GSPYVVLFDI SSSAWNLDLDRW KGDFWEACGV GIPHHDREAN DMLIFGSLTA WFLKEVTDHA DGKHVIAQFH EWQAGTGLIL SRARKLPIAT VFTTHATLLG RYLCAANIDF YNQLDKFDID KEAGERQIYH RYCMERASVH CAHVFTTVSE ITAIEAEHML KRKPDVVTN GNLVKKFSAV HEFQNLHAMY KARIQDFVRG HFYGHLDLDFL EKTLFLFIAG RYEFNSKGD IFLESLSRLN FLLRMHKS NV TVVFFIMPA KTNFNVTETL KGQAVRKQLW DTVHCLKEKF GKKLYDGLLR GEIPDMNSIL DRDDLTIMKR AIFSTQRQSL PPVTTHNMID DSTDPISTI RRIGLFNRA DRVKVILHPE FLSSTSPLLP MDYEEFVRGC HLGVFPSY YE PWGYTPAECT VMGIPSVTTN LSGFGCFVQE HVADPTAYGI YIVDRRFRSP DDSCNQLTQF LYGFCKQSRR QRRIQRNRTE RLSDLLDWRY LGRYYQHARH LTLSRAFPDK FHLEPTSPPT TDGFKYPRPS SVPPSPSGSQ ASSPQCSDAE DEEDEDERYD EEEEEAERDRL NIKSPFSLNH FPKGKKKLHG EYKN
<b>Source</b>	Baculovirus
<b>Target Names</b>	Gys2
<b>Protein Names</b>	Recommended name: Glycogen [starch] synthase, liver EC= 2.4.1.11
<b>Expression Region</b>	1-704
<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 protein, liver glycogen synthase, catalyzes the rate-limiting step in the synthesis of glycogen - the transfer of a glucose molecule from UDP-glucose to a terminal branch of the glycogen molecule. Mutations in this gene cause glycogen storage disease type 0 (GSD-0) - a rare type of early childhood fasting



hypoglycemia with decreased liver glycogen content.

---

**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.