



# Recombinant Human Glycogen [starch] synthase, muscle (GYS1)

<b>Product Code</b>	CSB-MP010078HU
<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>	P13807
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MPLNRTL SMS SLP GLEDWED EFDLENAVLF EVAWEVANKV GGIYTVLQTK AKVTGDEWGD NYFLVGPYTE QGVRTQVELL EAPTPALKRT LDSMNSKGCK VYFGRWLI EG GPLVVLLDVG ASAWALERWK GELWDT CNIG VPWYDREAND AVLFGFLT TW FLGEFLAQSE EKPHVVAHFH EWLAGVGLCL CRARRLPVAT IFTTHATLLG RYLCAGAVDF YNNLENFNVD KEAGERQIYH RYCMERAAAH CAHVFTTVSQ ITAIEAQHLL KRKPDIVTPN GLNVKKFSAM HEFQNLHAQS KARIQEFVRG HFYGHLD FNL DKTLYFFIAG RYEFSNKGAD VFLEALARLN YLLRVNGSEQ TVVAFFIMPA RTNNFNVELT KGQAVRKQLW DTANTVKEKF GRKLYESLLV GSLPDMNKML DKEDFTMMKR AIFATQRQSF PPVCTHNMLD DSSDPILTTI RRIGLFNSSA DRVKVIFHPE FLSSTSPLLP VDYE EFVRGC HLGVFPSYYE PWGYTPAECT VMGIPSISTN LSGFGCFMEE HIADPSAYGI YILDRRFRSL DDSCSQLTSF LYSFCQQSRR QRRIQRNRTE RLSDLLDWKY LGRYYMSARH MALSKAFPEH FTYEPNEADA AQGYRYRPA SVPPSPSLSR HSSPHQSEDE EDPRNGPLEE DGERYDEDEE AAKDRRNIRA PEWPRRASCT SSTSGSKRNS VDTATSSSLS TPSEPLSPTS SLGEERN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	GYS1
<b>Protein Names</b>	Recommended name: Glycogen [starch] synthase, muscle EC= 2.4.1.11
<b>Expression Region</b>	1-737
<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>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.

---

**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.