



# Recombinant Human Guanylate cyclase soluble subunit alpha-1 (GUCY1A1)

<b>Product Code</b>	CSB-BP010050HU
<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>	Q02108
<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>	MFCTKLKDLK ITGECPFSLI APGQVPNESS EEAAGSSESC KATVPICQDI PEKNIQESLP QRKTSRSRVY LHTLAESICK LIFPEFERLN VALQRTLAKH KIKESRKSLE REDFEKTIAE QAVAAGVPVE VIKESLGEEV FKICYEEDEN ILGVVGGTLK DFLNSFSTLL KQSSHCQEAG KRGRLEDASI LCLDKEDDFL HVYYFFPKRT TSLILPGIHK AAAHVLYETE VEVSLMPPCF HNDCEFEVNV PYLLYSVHMK STKPSLSPSK PQSSLVIPTS LFCKTFPFHF MFDKDMTILQ FGNGIRRLMN RRDFQGKPNF EEFELTPK INQTFSGIMT MLNMQFVVRV RRWDNSVKKS SRVMDLKGQM IYIVESSAIL FLGSPCVDRL EDFTGRGLYL SDIPIHNALR DVVLIGEQR A QDGLKKRLG KLKATLEQAH QALEEEKKKT VDLLCSIFPC EVAQQLWQQQ VVQAKKFSNV TMLFSDIVGF TAICSQCSP LQVITMLNALY TRFDQQCGEL DVYKQVETIGD AYC VAGGLHK ESDTHAVQIA LMALKMMELS DEVMSPHGEP IKMRIGLHSG SVFAGVGVK MPRYCLFGNN VTLANKFESC SVPRKINVSP TTYRLLKDCP GFVFTPRSRE ELPPNFPSEI PGICHFLDAY QQGTSNKPCF QKKDVEDGNA NFLGKASGID
<b>Source</b>	Baculovirus
<b>Target Names</b>	GUCY1A1
<b>Protein Names</b>	Recommended name: Guanylate cyclase soluble subunit alpha-3 Short name= GCS-alpha-3 EC= 4.6.1.2Alternative name(s): GCS-alpha-1 Soluble guanylate cyclase large subunit
<b>Expression Region</b>	1-690
<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.

---

**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.