



Recombinant Rat Guanylate cyclase soluble subunit alpha-3 (Gucy1a3)

Product Code	CSB-YP010050RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19686
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MFCRKFKDLK ITGECPFSLI APGQVPTEPI EEVAGVSESC QATLPTCQEF AENAEGSHPQ RKTSRNRVYL HTLAESIGKL IFPEFERLNL ALQRTLAKHK IKENRNSSEK EDLERIIAEE AIAAGVPVEV LKDSLGEELF KICYEEDEHI LGVVGGTLKD FLNSFSTLLK QSSHCQEAER RGRLEDASIL CLDKDQDFLN VYFFPKRTT ALLLPGIIKA AARILYESHV EVSLMPPCFR SECTEFVNQP YLLYSVHVKS TKPSLSPGKP QSSLVIPTSL FCKTFPFHFM LDRDLAILQL GNGIRRLV NK RDFQGKPNFE EFFEILTPKI NQTFSGIMTM LNMQFVIRVR RWDNLVKKSS RVMDLKGQMI YIVESSAILF LGSPCVDRLE DFTGRGLYLS DIPIHNALRD VVLIGEQARA QDGLKKRLGK LKATLEHAHQ ALEEEKKKT DLLCSIFPSE VAQQLWQGQI VQAKKFNEVT MLFSDIVGFT AICSQCSP LQ VITMLNLYT RFDQQCGELD VYKVETIGDA YCVAGGLHRE SDTHAVQIAL MALKMMELSN EVMSPHGPEI KMRIGLHSGS VFAGVVGVMK PRYCLFGNNV TLANKFESCS VPRKINVSP TYRLLKDCPG FVFTPRSREE LPPNFPSP DIP GICHFLDAYQ HQGPNSKPFV QQKDAEDGNA NFLGKASGVD
Source	Yeast
Target Names	Gucy1a1
Protein Names	Recommended name: Guanylate cyclase soluble subunit alpha-3 Short name= GCS-alpha-3 EC= 4.6.1.2 Alternative name(s): GCS-alpha-1 Soluble guanylate cyclase large subunit
Expression Region	1-690
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
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.