



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

<b>Product Code</b>	CSB-MP010050RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P19686
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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 VVLIGE QARA QDGLKKRLGK LKATLEHAHQ ALEEEKKKT DLLCSIFPSE VAQQLWQGQI VQAKKFNEVT MLFSDIVGFT AICSQCSPLQ VITMLNALYT RFDQQCGELD VYKVETIGDA YCVAGGLHRE SDTHAVQIAL MALKMMELSN EVMSPHGPEI KMRIGLHSGS VFAGVGVKM PRYCLFGNNV TLANKFESCS VPRKINVSPY TYRLLKDCPG FVFTPRSREE LPPNFPSPDIP GICHFLDAYQ HQGPNSKPFV QKDAEDGNA NFLGKASGVD
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Gucy1a1
<b>Protein Names</b>	Recommended name: Guanylate cyclase soluble subunit alpha-3 Short name= GCS-alpha-3 EC= 4.6.1.2 Alternative 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.
<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.