

GUCY2C/Guanylyl cyclase C Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78742
Synonyms:	GUCY2C; GUC2C; STAR; STA receptor; hSTAR; GC-C
Species:	Mouse
Source:	HEK293
Accession:	Q3UWA6-1 (V20-M433)
Gene ID:	14917
Molecular Weight:	66-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

PROPERTIES

AA Sequence	<pre> VFWASQVRQN CRNGSYEISV LMDDNSAYKE PMQNLREAVE EGLDIVRKRL READLNVTVN ATFIYSDGLI HKS GDCRSST CEGLDLLREI TRDHKMGCAL MGPSCTYSTF QMYLDTELN Y PMISAGSYGL SC DYKETLTR ILPPARKLMY FLVDFWKVNN ASFKPFSWNS SYVYKNGSEP EDCFWYLNAL EAGVSYFSEV LNFKDVLRRS EQFQEILTGH NRKSNVIVMC GTPESFYDVK GDLQVAEDTV VILVDLFSNH YFEENTTAPE YMDNVLVLT L PSEQSTSNTS VAERFSSGRS DFSLAYLEGT LLFGHMLQTF LENGENV TGP KFARA FRNLT FQGFAGPVT L DDSGDIDNIM SLLYVSLDTR KYKVL MKYDT HKNKTIPVAE NPNFIWKNHK LPNDVPGLGP QILM </pre>
Biological Activity	Immobilized Mouse GUCY2C at 5 µg/mL (100 µL/well) can bind Anti- GUCY2C Antibody. The ED ₅₀ for this effect is 5.526 ng/mL, corresponding to a specific activity is 1.81×10 ⁵ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.22 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

GUCY2C, a guanylyl cyclase, plays a crucial role in catalyzing the synthesis of cyclic (cGMP) from GTP.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA