

Recombinant Cynomolgus GUCY2C/Guanylyl cyclase C Protein

Catalog No.: RP02645 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		XP_00557027 0.1

Tags

C-His

Synonyms

Guanylyl cyclase C; GC-C; STAR;
GUCY2C; GUC2C; STA receptor; DIAR6;
EC 4.6.1; GCC; GUC2CEC 4.6.1.2; MUCIL

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris- Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting the
protein. For long term storage, it is
recommended to add a carrier protein or
stabilizer (e.g. 0.1% BSA, 5% HSA, 10%
FBS or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Contact

☎		400-999-6126
✉		cn.market@abclonal.com.cn
🌐		www.abclonal.com.cn

Background

Guanylyl cyclase C (GUCY2C) has canonical centrality in defense of key intestinal homeostatic mechanisms, encompassing fluid and electrolyte balance, epithelial dynamics, antitumorigenesis, and intestinal barrier function. GUCY2C may represent a new target for anti-obesity pharmacotherapy.

Basic Information

Description

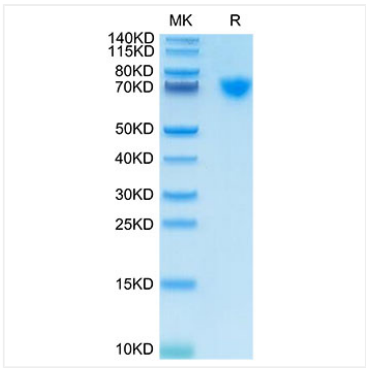
Recombinant Cynomolgus GUCY2C/Guanylyl cyclase C Protein is expressed from Expi293 with His tag at the C-terminal. It contains Ser24-Gln430.

Bio-Activity

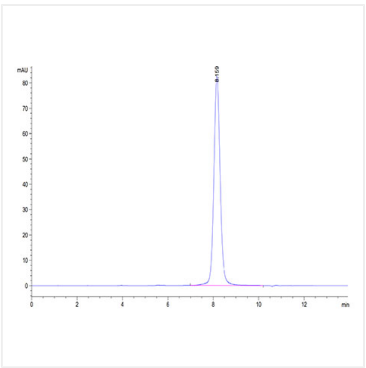
Storage

Store the lyophilized protein at -20°C to -80°C for long term.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

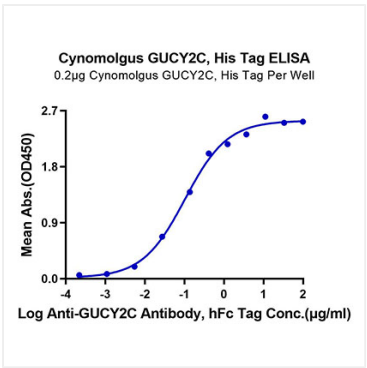
Validation Data



Cynomolgus GUCY2C on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Cynomolgus GUCY2C is greater than 95% as determined by SEC-HPLC.



Immobilized Cynomolgus GUCY2C, His Tag at 2μg/ml (100μl/Well) on the plate. Dose response curve for Anti-GUCY2C Antibody, hFc Tag with the EC₅₀ of 103.3ng/ml determined by ELISA.