

Datasheet for ABIN7274716
GUCY2C Protein (His-Avi Tag)

3 Images

[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | GUCY2C |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GUCY2C protein is labelled with His-Avi Tag. |

Product Details

| | |
|------------------------------|--|
| Sequence: | Ser24-Gln430 |
| Purity: | > 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |
| Biological Activity Comment: | Immobilized Human GUCY2C, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GUCY2C Antibody, hFc Tag with the EC50 of 27.2ng/ml determined by ELISA. See testing image for detail. |

Target Details

| | |
|-------------------|---|
| Target: | GUCY2C |
| Alternative Name: | GUCY2C (GUCY2C Products) |
| Background: | Guanylyl cyclase C, GC-C, STAR, GUCY2C, GUC2C, STA receptor, DIAR6, EC 4.6.1, GCC, GUC2CEC 4.6.1.2, MUCIL, Guanylyl cyclase C (GUCY2C) has canonical centrality in defense of |

Target Details

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.

Molecular Weight: 48.8 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

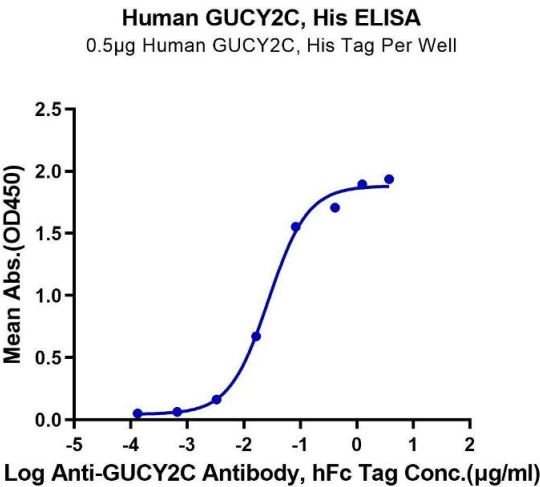
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

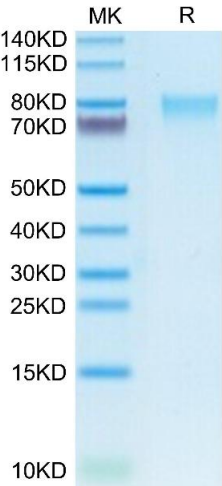
Expiry Date: 12 months

Images



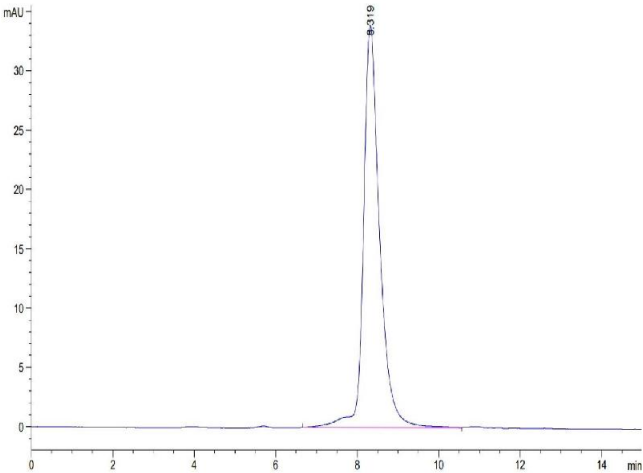
ELISA

Image 1. Immobilized Human GUCY2C, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-GUCY2C Antibody, hFc Tag with the EC₅₀ of 27.2 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human GUCY2C on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human GUCY2C is greater than 95 % as determined by SEC-HPLC.