

Datasheet for ABIN7274715
GUCY2C Protein (AA 24-430) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	GUCY2C
Protein Characteristics:	AA 24-430
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY2C protein is labelled with Fc Tag.

Product Details

Purpose:	Human GUCY2C/Guanylyl cyclase C Protein
Sequence:	Ser24-Gln430
Characteristics:	Recombinant Human GUCY2C/Guanylyl cyclase C Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains 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, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-GUCY2C Antibody, hFc Tag with the EC50 of 15.0ng/ml determined by ELISA. See testing image for detail.

Target Details

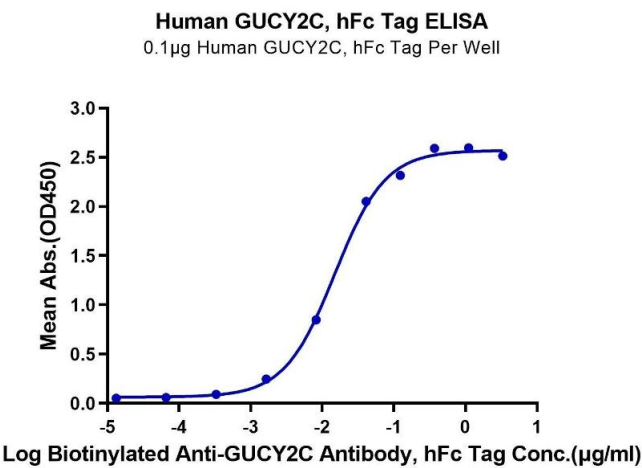
Target:	GUCY2C
Alternative Name:	GUCY2C (GUCY2C Products)
Background:	Guanylyl cyclase C (GUCY2C) has canonical centrality in defense of key intestinal homeostatic mechanisms, encompassing fluid and electrolyte balance, epithelial dynamics, antitumorigenesis, and intestinal barrier function. GUCY2C may represent a new target for anti-obesity pharmacotherapy.
Molecular Weight:	72.8 kDa. Due to glycosylation, the protein migrates to 85-115 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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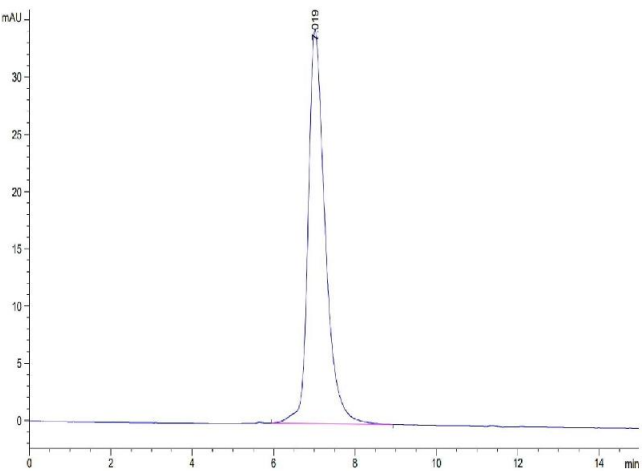
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



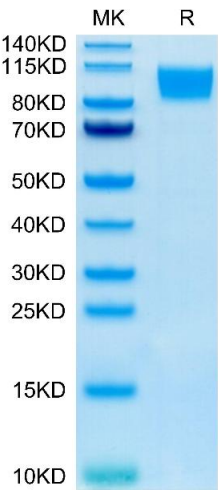
ELISA

Image 1. Immobilized Human GUCY2C, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-GUCY2C Antibody, hFc Tag with the EC50 of 15.0 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human GUCY2C is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human GUCY2C on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .