

Datasheet for ABIN7274713

GUCY2C Protein (AA 24-430) (His tag)**3** Images[Go to Product page](#)

Overview

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

Product Details

Purpose:	Cynomolgus GUCY2C/Guanylyl cyclase C Protein
Sequence:	Ser24-Gln430
Characteristics:	Recombinant Cynomolgus GUCY2C/Guanylyl cyclase C Protein is expressed from HEK293 with His 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 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. 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:	47.2 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005570270

Application Details

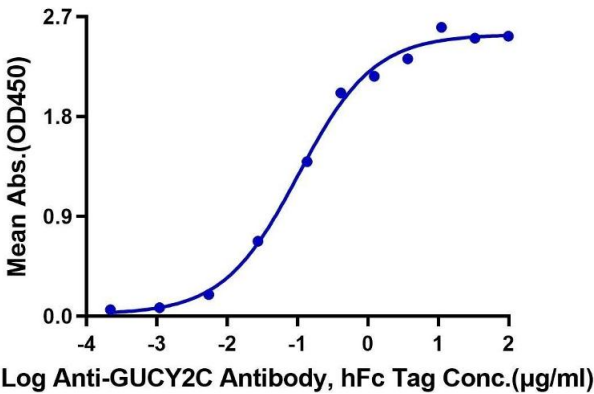
Restrictions:	For Research Use only
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Handling

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

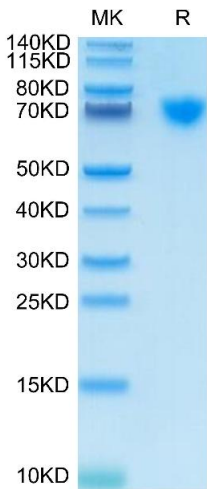
Cynomolgus GUCY2C, His Tag ELISA

0.2µg Cynomolgus GUCY2C, His Tag Per Well



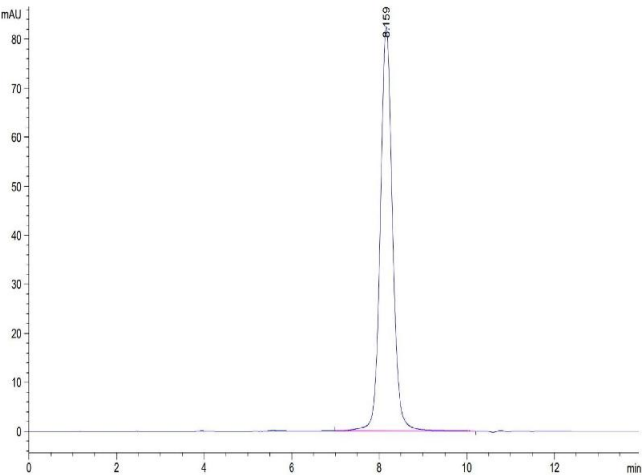
ELISA

Image 1. Immobilized Cynomolgus GUCY2C, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-GUCY2C Antibody, hFc Tag with the EC50 of 103.3 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Cynomolgus 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 Cynomolgus GUCY2C is greater than 95 % as determined by SEC-HPLC.