

Biotinylated Human GUCY2C/Guanylyl cyclase C Protein



Cat. No. GCC-HM401B

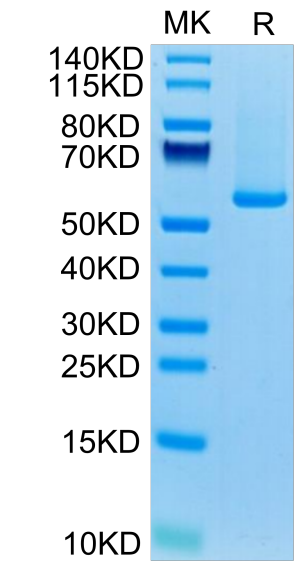
| Description      |  |
|------------------|--|
| Source           | Recombinant Biotinylated Human GUCY2C/Guanylyl cyclase C Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Ser24-Gln430. |
| Accession        | P25092-1   |
| Molecular Weight | The protein has a predicted MW of 48.8 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.                                 |
| Endotoxin        | Less than 1 EU per µg by the LAL method.   |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC  |

| Formulation and Storage |   |
|-------------------------|---|
| Formulation             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| Reconstitution          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| Storage                 | -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| 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. |  |

Assay Data

Bis-Tris PAGE



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

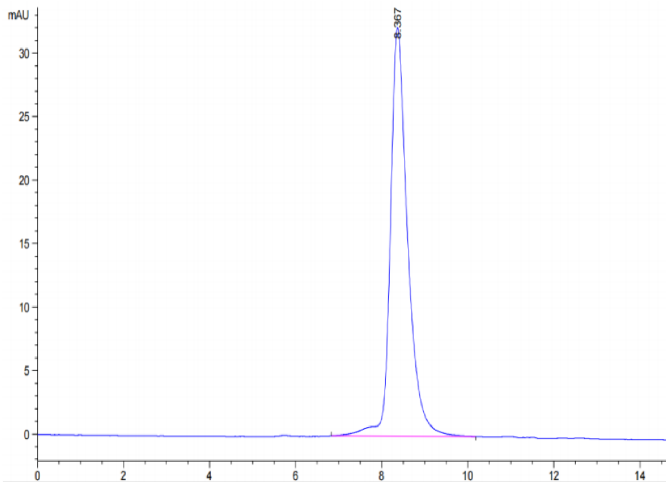
SEC-HPLC

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Assay Data

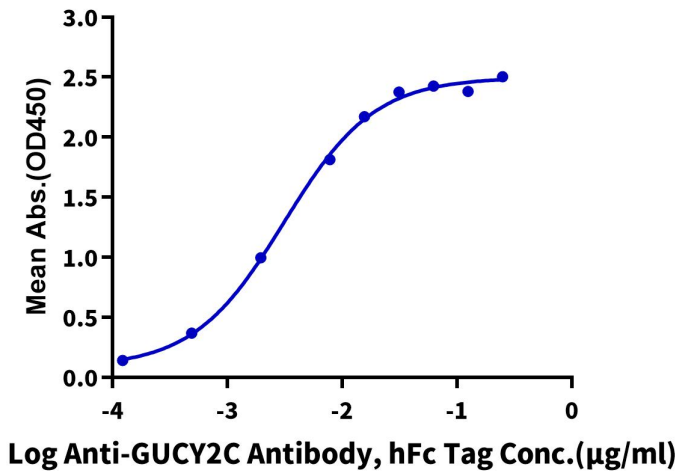


The purity of Biotinylated Human GUCY2C is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human GUCY2C, His-Avi Tag ELISA

0.05µg Biotinylated Human GUCY2C, His-Avi Tag Per Well



Immobilized Biotinylated Human GUCY2C, His-Avi Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-GUCY2C Antibody, hFc Tag with the EC50 of 3.1ng/ml determined by ELISA.