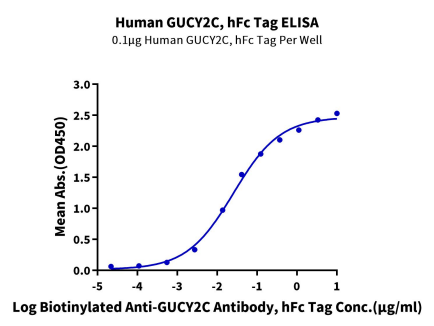
Bioactive CellTx™ HuPro®

GUCY2C (Human) Recombinant Protein

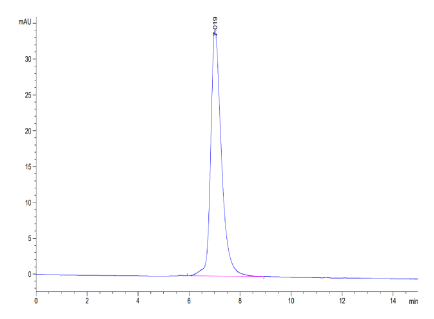
Catalog # P9893 Size 100 ug

Applications



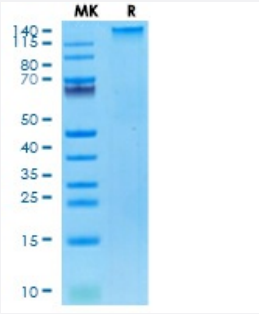
Enzyme-linked Immunoabsorbent Assay

Immobilized Human GUCY2C, hFc Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-GUCY2C Antibody, hFc Tag with the EC50 of 25.6 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human GUCY2C (P25092-1, Ser24-Gln430) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.

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Sequence	Ser24-Gln430
Host	Human
Theoretical MW (kDa)	72.8
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 26.5 ng/mL, messured by ELISA at 1 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human GUCY2C is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human GUCY2C on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human GUCY2C, hFc Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-GUCY2C Antibody, hFc Tag with the EC50 of 25.6 ng/mL determined by ELISA.
- SDS-PAGE

Gene Info — GUCY2C

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Entrez GeneID	2984
Protein Accession#	P25092-1
Gene Name	GUCY2C
Gene Alias	GUC2C, STAR
Gene Description	guanylate cyclase 2C (heat stable enterotoxin receptor)
Omim ID	601330
Gene Ontology	Hyperlink
Other Designations	guanylyl cyclase C

Pathway

- Purine metabolism

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