

Active Recombinant Human GUCY2C protein, His-Avi-tagged, Biotinylated

Cat. No. GUCY2C-1499H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human GUCY2C protein(Ser24-Gln430), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-430 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
Bio-activity	Immobilized Biotinylated Human GUCY2C, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate, can bind Monoclonal Anti-Human GUCY2C Antibody, Human IgG1 with a linear range of 0.2-2 ng/mL.Immobilized Monoclonal Anti-Human GUCY2C Antibody, Human IgG1 at 1 µg/mL (100 µL/well) can bind Biotinylated Human GUCY2C, His,Avitag with a linear range of 0.2-6 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 49.6 kDa. The protein migrates as 65-95 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser24-Gln430
Endotoxin	Less than 1.0 EU per

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	µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	GUCY2C guanylate cyclase 2C (heat stable enterotoxin receptor) [Homo sapiens]
Official Symbol	GUCY2C
Synonyms	GUCY2C; guanylate cyclase 2C (heat stable enterotoxin receptor); GUC2C; heat-stable enterotoxin receptor; STAR; GC-C; hSTAR; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase;
Gene ID	2984
mRNA Refseq	NM_004963
Protein Refseq	NP_004954
MIM	601330

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UniProt ID

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