

Recombinant Human GUCY2D protein, His-Avi-tagged, Biotinylated

Cat. No. GUCY2D-1519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human GUCY2D protein(Ala52-Glu462), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	52-462 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
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 46.7 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ala52-Glu462
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
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

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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

GUCY2D guanylate cyclase 2D, membrane (retina-specific) [Homo sapiens]

Official Symbol

GUCY2D

Synonyms

GUCY2D; guanylate cyclase 2D, membrane (retina-specific); cone rod dystrophy 5/6 , CORD5, CORD6, GUC1A4, GUC2D, LCA; retinal guanylyl cyclase 1; CYGD; LCA1; retGC; RETGC 1; ROS GC1; ROS-GC; guanylate cyclase 2D, retinal; rod outer segment membrane guanylate cyclase; LCA; RCD2; CORD5; CORD6; GUC2D; ROSGC; GUC1A4; RETGC-1; ROS-GC1;

Gene ID

3000

mRNA Refseq

NM_000180

Protein Refseq

NP_000171

MIM

600179

UniProt ID

Q02846

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