

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human GUCY2D protein(Ala52-Glu462), fused with His and Avi tag, was expressed in HEK293.                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 52-462 a.a.                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 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.         |
| <b>Proteinlength</b>    | Ala52-Glu462                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                         |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                    |
| <b>Storage</b>          | 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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