

Recombinant Human GUCY2D Protein, MYC/DDK-tagged

Cat. No. GUCY2D-2548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCY2D protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a retina-specific guanylate cyclase, which is a member of the membrane guanylyl cyclase family. Like other membrane guanylyl cyclases, this enzyme has a hydrophobic amino-terminal signal sequence followed by a large extracellular domain, a single membrane spanning domain, a kinase homology domain, and a guanylyl cyclase catalytic domain. In contrast to other membrane guanylyl cyclases, this enzyme is not activated by natriuretic peptides. Mutations in this gene result in Leber congenital amaurosis and cone-rod dystrophy-6 diseases.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	119.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	GUCY2D guanylate cyclase 2D, membrane (retina-specific) [Homo sapiens]
Official Symbol	GUCY2D
Synonyms	CORD5; CORD6; CYGD; GUC1A4; GUC2D; LCA; LCA1; RCD2; retGC; RETGC-1; ROS-GC1; ROSGC
Gene ID	3000
mRNA Refseq	NM_000180
Protein Refseq	NP_000171
MIM	600179
UniProt ID	Q02846

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