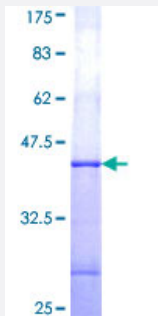


# GUCY2F (Human) Recombinant Protein (Q01)

Catalog # H00002986-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human GUCY2F partial ORF ( NP_001513, 311 a.a. - 420 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	VLTTIVESQEKTFYQAFTEAAARGEIPEKLEFDQVSPPLFGTIYNSIYFIAQAMNNAMKENGQAGAAS LVQHSRNMQFHGFNQLMRTDSNGNGISEYVILDTNLKEWELHS
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.73
<b>Interspecies Antigen Sequence</b>	Mouse (86); Rat (87)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — GUCY2F

Entrez GeneID [2986](#)

GeneBank Accession# [NM\\_001522](#)

Protein Accession# [NP\\_001513](#)

Gene Name GUCY2F

Gene Alias CYGF, GC-F, GUC2DL, GUC2F, RETGC-2, ROS-GC2

Gene Description guanylate cyclase 2F, retinal

Omim ID [300041](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a guanylyl cyclase found predominantly in photoreceptors in the retina. The encoded protein is thought to be involved in resynthesis of cGMP after light activation of the visual signal transduction cascade, allowing a return to the dark state. This protein is a single-pass type I membrane protein. Defects in this gene may be a cause of X-linked retinitis pigmentosa. [provided by RefSeq]

**Other Designations** OTTHUMP00000023839[guanylate cyclase 2D-like, membrane (retina-specific)]guanylate cyclase 2F

## Pathway

- [Purine metabolism](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)