

Recombinant Human GUCY2F Protein, GST-tagged

Cat. No. GUCY2F-4494H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GUCY2F partial ORF (NP_001513, 311 a.a. - 420 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	37.73 kDa
AA Sequence	VLITITVESQEKTFYQAFTEAAARGEIPEKLEFDQVSPLFGTIYNSIYFIAQAMNNAMKE NGQAGAASLVQHRSRNMQFHGFNQLMRTDSNGNGISEYVILDTNLKEWELHS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GUCY2F guanylate cyclase 2F, retinal \[Homo sapiens \]](#)

Official Symbol [GUCY2F](#)

Synonyms GUCY2F; guanylate cyclase 2F, retinal; retinal guanylyl cyclase 2; CYGF; GC F; guanylate cyclase 2D like; membrane (retina specific); GUC2DL; RetGC 2; ROS GC2; guanylate cyclase F; rod outer segment membrane guanylate cyclase 2; guanylate cyclase 2D-like, membrane (retina-specific); GC-F; GUC2F; RETGC-2; ROS-GC2;

Gene ID [2986](#)

mRNA Refseq [NM_001522](#)

Protein Refseq [NP_001513](#)

MIM [300041](#)

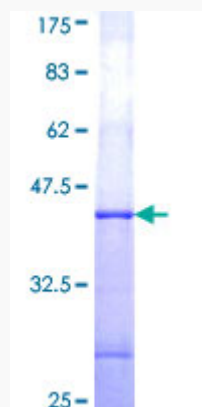
UniProt ID [P51841](#)

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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