

Recombinant Human GUCY2F protein, His-tagged

Cat. No. GUCY2F-0406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCY2F protein(71-398 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	71-398 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LPEVAARLAIERINRDPSFDLSYSFEYVILNEDCQTSRALSSFISHHQMASGFIGPTNP GYCEAASLLGNSWDKGIFSWACVNYELDNKISYPTFSRTLPSPIRVLVTVMKYFQWA HAGVISSDEDIWVHTANRVASALRSHGLPVGVLTTGQDSQSMRKALQRIHQADRIR IIIMCMHSALIGGETQMHLLECAHDLKMTDGTYYFVFPYDALLYSLPYKHTPYRVLRRN PKLREAYDAVLITVESQEKTFYQAFTEAAARGEIPEKLEFDQVSPLFGTIYNSIYFIAQ AMNNAMKENGQAGAASLVQHSRNMQFHGFNQLMRTDS
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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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