

Recombinant Human GUCY1A3 Protein, GST-tagged

Cat. No. GUCY1A3-4489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GUCY1A3 full-length ORF (AAH28384.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha subunit, such as alpha-1 (GUCY1A3), and a beta subunit, typically beta-1 (GUCY1B3; MIM 139397), catalyzes conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide and nitrovasodilator drugs (Zabel et al., 1998 [PubMed 9742212]).[supplied by OMIM
Molecular Mass	103.9 kDa
AA Sequence	MFCTKLKDLKITGECPFSLAPGQVPNESSEEAAGSSECKATMPICQDIPEKNIQES LPQRKTSRSRVYLHTLAESICKLIFPEFERLNVALQRTLAKHKIKESRKSLEREDFEKT IAEQAVAAGVPVEVIKESLGEEVFKICYEEDENILGVVGGTLKDFLNSFSTLLKQSSHC QEAGKRGRLLEDASILCLDKEDDFLHVYFFPKRTTSLILPGIHKAAAHVLYETEVEVSL MPPCFHNDCESEFVNQPYLLYSVHMKSTKPSLSPSKPQSSLVIPSTLFCCKTFPFHFMF DKDMTILQFGNGIRRLMNRRDFQGKPNFEEYFEILTPKINQTFSGIMTMLNMQFVVR VRRWDNSVKKSSRVMDLKGQMIYIVESSAILFLGSPCVDRLEDFTGRGLYLSDIPIHN ALRDVVLIGEQAQADGLKKRLGKLKATLEQAHQALEEEKKKTVDLLCSIFPCEVAQ QLWQGQVVQAKKFSNVTMLFSDIVGFTAICSQCSPLQVITMLNALYTRFDQQCCEL

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DVYK VETIGDAYCVAGGLHKESDTHAVQIALMAVKMMELSDEVMSPHGEPIKMRIGL
HSGSVFAGVVGKMPRYCLFGNNVTLANKFESCSVPRKINVSPTTYRLLKDCPGFV
FTPRSREELPPNFPSEIPGICHFLDAYQQGTNSKPCFQKKDVEDGNANFLGKASGID

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.

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

GUCY1A3 guanylate cyclase 1, soluble, alpha 3 [Homo sapiens]

Official Symbol

GUCY1A3

Synonyms

GUCY1A3; guanylate cyclase 1, soluble, alpha 3; GUC1A3; guanylate cyclase soluble subunit alpha-3; GC SA3; GCS-alpha-1; GCS-alpha-3; GC-S-alpha-1; soluble guanylate cyclase large subunit; GUCA3; GC-SA3; GUCSA3; GUCY1A1;

Gene ID

2982

mRNA Refseq

NM_000856

Protein Refseq

NP_000847

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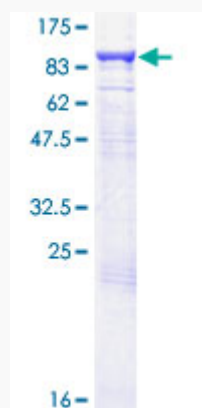
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MIM 139396

UniProt ID Q02108

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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