

Recombinant Full Length Human GUCY1B3 Protein, GST-tagged

Cat. No. GUCY1B3-3347HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GUCY1B3 full-length ORF (AAH47620, 1 a.a. - 619 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	619 amino acids
Description	Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha subunit and a beta subunit, typically GUCY1B3, catalyzes conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide (NO) and nitrovasodilator drugs (Zabel et al., 1998 [PubMed 9742212]).[supplied by OMIM
Molecular Mass	93.61 kDa
AA Sequence	MYGFVNHALELLVIRNYGPEVWEDIKKEAQLDEEGQFLVRIIYDDSKTYDLVAAASKV LNLNAGEILQMFGKMFFVFCQESGYDTILRVLGSNVREFLQNLDALHDHLATIYPGM RAPSFRCTDAEKGKGLILHYYSEREGLQDIVIGIIKTVAQQIHGTEIDMKVIQQRNEEC DHTQFLIEEKESKEEDFYEDLDRFEENGQTQESRISPYTFCKAFPFHIFDRDLVVTQC GNAIYRVLPQLQPGNCSLLSVFSLVRPHIDISFHGILSHINTVFVLRKSKEGLLDVEKLE CEDELTGTEISCLRLKGQMIYLPEADSILFLCSPSVMNLLDLTRRGLYLSDIPLHDATR DLVLLGEQFREEYKLTQELEILTDRLQLTLRALEDEKKKTDLLYSVLPPSVANELRH KRPVPAKRYDNVTILFSGIVGFNAFCSKSHASGEGAMKIVNLLNDLYTRFDTLTDSRKN

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PFVYKVETVGDKYMTVSGLPEPCIIHARSICHLALDMMEIAGQVQVDGESVQITIGIH
TGEVVTGVIGQRMPPRYCLFGNTVNLTSRTETTGEKKGKINVSEYTYRCLMSPENSDP
QFHLEHRGPVSMKGKKEPMQVWFLSRKNTGTEETKQDDD

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

[GUCY1B3 guanylate cyclase 1, soluble, beta 3 \[Homo sapiens \]](#)

Official Symbol

[GUCY1B3](#)

Synonyms

GUCY1B3; guanylate cyclase 1, soluble, beta 3; GUC1B3; guanylate cyclase soluble subunit beta-1; GC S beta 1; GC SB3; GCS-beta-1; GCS-beta-3; soluble guanylate cyclase small subunit; guanylate cyclase soluble subunit beta-3; GUCB3; GC-SB3; GUCSB3; GUCY1B1; GC-S-beta-1;

Gene ID

[2983](#)

mRNA Refseq

[NM_000857](#)

Protein Refseq

[NP_000848](#)

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MIM	139397
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UniProt ID	Q02153
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