Recombinant Human GUCY1B3 Protein, GST-tagged

Cat. No. GUCY1B3-4491H **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	Wheat Germ
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 DHTQFLIEEKESKEEDFYEDLDRFEENGTQESRISPYTFCKAFPFHIIFDRDLVVTQC GNAIYRVLPQLQPGNCSLLSVFSLVRPHIDISFHGILSHINTVFVLRSKEGLLDVEKLE CEDELTGTEISCLRLKGQMIYLPEADSILFLCSPSVMNLDDLTRRGLYLSDIPLHDATR DLVLLGEQFREEYKLTQELEILTDRLQLTLRALEDEKKKTDTLLYSVLPPSVANELRH KRPVPAKRYDNVTILFSGIVGFNAFCSKHASGEGAMKIVNLLNDLYTRFDTLTDSRKN PFVYKVETVGDKYMTVSGLPEPCIHHARSICHLALDMMEIAGQVQVDGESVQITIGIH TGEVVTGVIGQRMPRYCLFGNTVNLTSRTETTGEKGKINVSEYTYRCLMSPENSDP

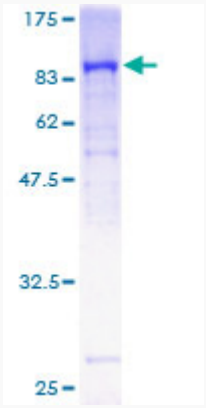
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	QFHLEHRGPVSMKGKKEPMQVWFLSRKNTGTEETKQDDD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 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
MIM	139397

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UniProt ID	Q02153
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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