

Recombinant Human GUCY1B1 Protein (His408-Asp619), N-His tagged

Cat. No. GUCY1B1-2562H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GUCY1B1 (His408-Asp619) protein fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His408-Asp619
Description	This gene encodes the beta subunit of the soluble guanylate cyclase (sGC), which catalyzes the conversion of GTP (guanosine triphosphate) to cGMP (cyclic guanosine monophosphate). The encoded protein contains an HNOX domain, which serves as a receptor for ligands such as nitric oxide, oxygen and nitrovasodilator drugs. Alternative splicing results in multiple transcript variants.
Molecular Mass	26.07 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	GUCY1B1 guanylate cyclase 1 soluble subunit beta 1 [Homo sapiens (human)]
Official Symbol	GUCY1B1
Synonyms	GUCY1B1; guanylate cyclase 1 soluble subunit beta 1; GUCB3; GC-SB3; GUC1B3; GUCSB3; GUCY1B3; GC-S-beta-1; guanylate cyclase soluble subunit beta-1; GCS-beta-1; GCS-beta-3; guanylate cyclase 1, soluble, beta 3; guanylate cyclase soluble subunit beta-3; soluble guanylate cyclase small subunit; EC 4.6.1.2
Gene ID	2983
mRNA Refseq	NM_000857
Protein Refseq	NP_000848
MIM	139397
UniProt ID	Q02153

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SDS-PAGE



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