

Recombinant Human GUCY2C protein(Met1-Gln430), His-tagged

Cat. No. GUCY2C-670H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCY2C protein(Met1-Gln430), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Gln430
similar	GUCY2C
Alias	GUCY2C; guanylate cyclase 2C (heat stable enterotoxin receptor); GUC2C; heat-stable enterotoxin receptor; STAR; GC-C; hSTAR; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase;
Conjugate	C-His
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bioactivity	
MolecularMass	The recombinant human GUCY2C consists of 421 amino acids and predicts a molecular mass of 47.78 kDa. It migrates as an approximately 72.11 kDa band in

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	SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GeneName	GUCY2C guanylate cyclase 2C (heat stable enterotoxin receptor) [Homo sapiens]
GeneNameWeblink	2984
OfficialSymbol	GUCY2C
OfficialSymbolWeblink	2984
GeneID	2984
GeneIDWeblink	2984
mRNARefseq	NM_004963
mRNARefseqWeblink	NM_004963.3
ProteinRefseqWeblink	NP_004954.2

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MIMWeblink	601330
UniProtID	P25092
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GENE INFORMATION	
Synonyms	GUCY2C; guanylate cyclase 2C (heat stable enterotoxin receptor); GUC2C; heat-stable enterotoxin receptor; STAR; GC-C; hSTAR; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase;
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