

Recombinant Rat GUCY2C protein(Met1-Gln429), His-tagged

Cat. No. GUCY2C-2756R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat GUCY2C (P23897) (Met1-Tyr560) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Gln429
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Rat GUCY2C consists of 418 amino acids and predicts a molecular mass of 47.82 kDa. It migrates as an approximately 65.56 kDa band in 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.
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

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Gucy2c guanylate cyclase 2C [Rattus norvegicus]
Official Symbol	GUCY2C
Synonyms	GUCY2C; guanylate cyclase 2C; heat-stable enterotoxin receptor; GC-C; STA receptor; guanylyl cyclase C; intestinal guanylate cyclase; Guanylate cyclase 2C (heat stable enterotoxin receptor); GCC;
Gene ID	25711
mRNA Refseq	NM_013170
Protein Refseq	NP_037302

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