

# Recombinant Rat GUCY2C Protein (23-429 aa), His-Myc-tagged

Cat. No. GUCY2C-2763R Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rat GUCY2C Protein (23-429 aa) is produced by Baculovirus expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Microbiology. Protein Description: Partial.
<b>Species</b>	Rat
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	23-429 aa
<b>Description</b>	Receptor for the E.coli heat-stable enterotoxin (E.coli enterotoxin markedly stimulates the accumulation of cGMP in mammalian cells expressing GC-C). Also activated by the endogenous peptide guanylin.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	50.4 kDa
<b>AA Sequence</b>	SQVRQKCHNGTYEISVLMMDNSAYKEPLQNLRDAVEEGLDIVRKRLREAELNVTVN ATFIYSDGLIHKSGDCRSSTCEGLDLLREITRDRKMGCVLMGPSCTYSTFQMYLDTE LNYPMISAGSFGSLSCDYKETLTRILPPARKLMYFLVDFWKVNNAPFKTFSWNSSYVY KNGSEPEDCFWYLNALAEAGVSYFSEVLSFKDVLRRSEQFQEILMGRNRKSNVIVMC GTPETFYNVKGDLKVADDTVVILVDLFSNHYFEDDTRAPEYMDNVLVLTLPPEKFIAN ASVSGRFPERSDFSLAYLEGTLFGHMLQTFLENGESVTTTPKFARAFRNLTFAQGLE GPVTLDDSGDIDNIMCLLYVSLDTRKYKVLMAVDTHKNQTIPVATSPNFIWKNHRLPN

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	DVPGLGPQ
<b>Purity</b>	> 85% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Concentration</b>	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

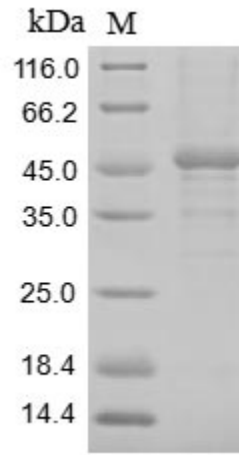
## GENE INFORMATION

<b>Gene Name</b>	Gucy2c guanylate cyclase 2C [ Rattus norvegicus ]
<b>Official Symbol</b>	GUCY2C
<b>Synonyms</b>	GUCY2C; guanylate cyclase 2C; heat-stable enterotoxin receptor; GC-C; STA receptor; guanylyl cyclase C; GCC;
<b>Gene ID</b>	25711
<b>mRNA Refseq</b>	NM_013170
<b>Protein Refseq</b>	NP_037302
<b>UniProt ID</b>	P23897

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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