

Recombinant Mouse GUCY2C Protein (20-433 aa), His-Myc-tagged

Cat. No. GUCY2C-2764M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GUCY2C Protein (20-433 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.
Species	Mouse
Source	Insect Cells
ProteinLength	20-433 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	51.1 kDa
AA Sequence	VFWASQVRQNCNRNGSYEISVLMMDNSAYKEPMQNLREAVEEGLDIVRKRLREADL NVTVNATFIYSDGLIHKSGDCRSSTCEGLDLLREITRDHKMGCALMGPSCTYSTFQM YLDTELNYPMISAGSYGLSCDYKETLTRILPPARKLMYFLVDFWKVNNASFKPFSWN SSYVYKNGSEPEDCFWYLNALAEAGVSYFSEVLNFKDVLRRSEQFQEILTGHNRKSN VIVMCGTPESFYDVKGDLQVAEDTVVILVDLFSNHYFEENTTAPEYMDNVLVLTLPSE QSTSNTSVAERFSSGRSDFSLAYLEGTLFFGHMLQTFLGENVTGPKFARAFRNL

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TFQGFAGPVTLDDSGDIDNIMSLLYVSLDTRKYKVLMLKYDTHKNKTIPVAENPNFIWK
NHLKLPNDVPGLGPQILM

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Gucy2c guanylate cyclase 2c \[Mus musculus \]](#)

Official Symbol [GUCY2C](#)

Synonyms GUCY2C; guanylate cyclase 2c; heat-stable enterotoxin receptor; STA receptor; guanylyl cyclase C; Gcc; GC-C; AI893437; MGC107510;

Gene ID [14917](#)

mRNA Refseq [NM_001127318](#)

Protein Refseq [NP_001120790](#)

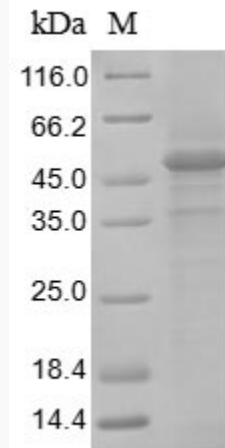
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UniProt ID

Q3UWA6



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

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