

Recombinant Rat GUCY2C Protein, His-tagged

Cat. No. GUCY2C-2743R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat GUCY2C Protein, fused to His-tag, was expressed in HEK293.
Species	Human
Source	HEK293
Description	Enables guanylate cyclase activity and toxic substance binding activity. Predicted to be involved in cGMP biosynthetic process and receptor guanylyl cyclase signaling pathway. Predicted to act upstream of or within regulation of cell population proliferation and response to toxic substance. Predicted to be located in endoplasmic reticulum membrane. Predicted to be integral component of membrane. Predicted to be active in plasma membrane. Human ortholog(s) of this gene implicated in congenital diarrhea 6. Orthologous to human GUCY2C (guanylate cyclase 2C).
Form	Supplied as a 0.2 µm filtered solution in PBS (pH 7.4).
AA Sequence	SQVRQKCHNGTYEISVLMDNSAYKEPLQNLRDAVEEGLDIVRKRLREAELNVTVN ATFIYSDGLIHKSGDCRSSTCEGLDLLREITRDRKMGCVLMGPSCTYSTFQMYLDTE LNYPMISAGSFGSLSCDYKETLTRILPPARKLMYFLVDFWKVNNAPFKTFSWNSSYVY KNGSEPEDCFWYLNALAEAGVSYFSEVLSFKDVLRRSEQFQEILMGRNRKSNVIVMC GTPETFYNVKGDLKVADDTVVILVDLFSNHYFEDDTRAPEYMDNVLVLTLPPEKFIAN ASVSGRFPSESRSDFSLAYLEGTLFLGHMLQTFLENGESVTTPKFARAFRNLTFFQGLE GPVTLDDSGDIDNIMCLLYVSLDTRKYKVLMAVDTHKNQTIPVATSPNFIWKNHRLPN DVPGLGPQ

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Endotoxin	<1.0EU per 1ml (determined by the LAL method)
Purity	>90%, by SDS-PAGE
Storage	Short Term Storage at 4 centigrade. Long Term Storage at -20 centigrade to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	1.0 mg/ml

GENE INFORMATION

Gene Name	Gucy2c guanylate cyclase 2C [Rattus norvegicus (Norway rat)]
Official Symbol	GUCY2C
Synonyms	GCC
Gene ID	25711
mRNA Refseq	NM_013170.1
Protein Refseq	NP_037302.1
UniProt ID	P23897

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