

Recombinant Human GUCY2C Protein, His-tagged

Cat. No. GUCY2C-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCY2C Protein, fused to His-tag, was expressed in Human cells.
Species	Human
Source	Human Cells
Description	This gene encodes a transmembrane protein that functions as a receptor for endogenous peptides guanylin and uroguanylin, and the heat-stable E. coli enterotoxin. The encoded protein activates the cystic fibrosis transmembrane conductance regulator. Mutations in this gene are associated with familial diarrhea (autosomal dominant) and meconium ileus (autosomal recessive).
Form	Supplied as a 0.2 µm filtered solution in PBS (pH 7.4).
AA Sequence	SQVSQNCHNGSYEISVLMMGNSAFAEPLKNLEDAVNEGLEIVRGRLQNAGLNVTVN ATFMYS DGLIHNSGDCRSSTCEGLDLLRKISNAQRMGCVLIGPSTYSTFQMYLDTE LSYPMISAGSFGLS CDYKETLTRLMS PARKLMYFLVNFWKTN DL PFKTYSWSTS YVY KNGTETEDCFWYLNAL EASVSYSHELGFKV VLRQDKEFQDILMDHNRKSNVIIMCG GPEFLYKLKGDRAVAEDIV IILVDLFNDQYFEDNVTAPDYMKNVLVLT LSPGNSLLNS SFSRNLSP TKRDFALAYLNGILLFGHMLKIFLENGENITTPKFAHA FRNLTFEGYDGP VTLDDWGDVDSTMVLLYTSVDTKKYKVLLTYDTHVNKTYPVDMSPFTFWKNSKLPN DITGRGPQH HHHHHHHHHH
Endotoxin	<1.0EU per 1ml (determined by the LAL method)

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Purity	>90%, by SDS-PAGE
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	1.0 mg/ml

GENE INFORMATION

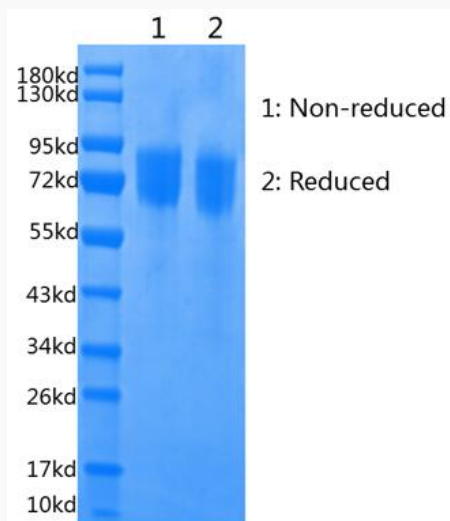
Gene Name	GUCY2C guanylate cyclase 2C [Homo sapiens (human)]
Official Symbol	GUCY2C
Synonyms	GCC; GC-C; HSER; STAR; DIAR6; GUC2C; MECIL; MUCIL
Gene ID	2984
mRNA Refseq	NM_004963.4
Protein Refseq	NP_004954.2
MIM	601330
UniProt ID	P25092

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SDS-PAGE



SDS-PAGE analysis of purified human GUCY2C 3 ug/Line, Reduced.

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