Recombinant Human GUCA2B Protein (27-112 aa), His-tagged

Cat. No. GUCA2B-1650H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCA2B Protein (27-112 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	27-112 aa
Description	Endogenous activator of intestinal guanylate cyclase. It stimulates this enzyme through the same receptor binding region as the heat-stable enterotoxins. May be a potent physiological regulator of intestinal fluid and electrolyte transport. May be an autocrine/paracrine regulator of intestinal salt and water transport.
Form	Tris-based buffer,50% glycerol
Molecular Mass	11.5 kDa
AA Sequence	VYIQYQGFRVQLESMKKLSDLEAQWAPSPRLQAQSLLPAVCHHPALPQDLQPVCAS QEASSIFKTLRTIANDDCELCVNVACTGCL
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

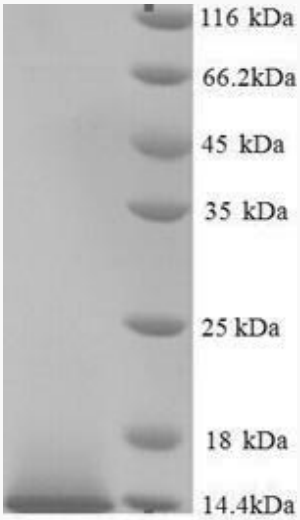
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	centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	GUCA2B guanylate cyclase activator 2B (uroguanylin) [Homo sapiens]
Official Symbol	GUCA2B
Synonyms	GUCA2B; uroguanylin; UGN; GCAP-II;
Gene ID	2981
mRNA Refseq	NM_007102
Protein Refseq	NP_009033
MIM	601271
UniProt ID	Q16661

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

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