Recombinant Human GUCA2B Protein, His-tagged

Cat. No. GUCA2B-2224H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCA2B Protein (Val27-Leu112) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val27-Leu112
Description	This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products, including uroguanylin, a member of the guanylin family of peptides and an endogenous ligand of the guanylate cyclase-C receptor. Binding of this peptide to its cognate receptor stimulates an increase in cyclic GMP and may regulate salt and water homeostasis in the intestine and kidneys.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.2 kDa Accurate Molecular Mass: 13 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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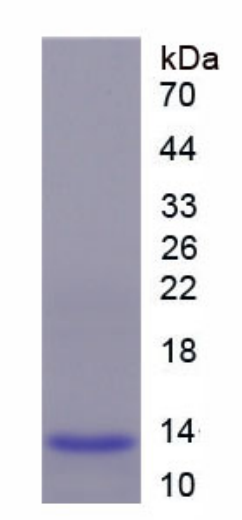
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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UniProt ID	Q16661



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