

Recombinant Mouse Guca2b Protein, His-tagged

Cat. No. Guca2b-1606M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Guca2b Protein (Val22-Cys106) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val22-Cys106
Description	This gene encodes a member of the guanylin family and preproprotein that is proteolytically processed to generate a mature protein product. The mature protein product, known as uroguanylin, is an endogenous ligand for the guanylate cyclase-C receptor and may regulate salt and water homeostasis in the intestine and kidneys. Homozygous knockout mice for this gene exhibit impaired sodium chloride excretion and elevated arterial pressure. This gene is present in a gene cluster with a related guanylin family member on chromosome 4.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.1 kDa Accurate Molecular Mass: 13 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Guca2b guanylate cyclase activator 2b (retina) [Mus musculus (house mouse)]
Official Symbol	Guca2b
Synonyms	GUCA2B; guanylate cyclase activator 2b (retina); guanylate cyclase activator 2B; uroguanylin; granule cell antiserum positive 2; Ugn; Gcap2; AV066530;
Gene ID	14916
mRNA Refseq	NM_008191
Protein Refseq	NP_032217
UniProt ID	O09051

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