

Recombinant Mouse Guca2b Protein, MYC/DDK-tagged

Cat. No. Guca2b-1078M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse guanylate cyclase activator 2b (retina) (Guca2b), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>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.</p>
Molecular Mass	11.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Guca2b guanylate cyclase activator 2b \(retina\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Guca2b](#)

Synonyms [Guca2b](#); [guanylate cyclase activator 2b \(retina\)](#); [Ugn](#); [Gcap2](#); [AV066530](#); [guanylate cyclase activator 2B](#); [granule cell antiserum positive 2](#); [uroguanylin](#)

Gene ID [14916](#)

mRNA Refseq [NM_008191](#)

Protein Refseq [NP_032217](#)

UniProt ID [O09051](#)

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