

Recombinant Human GUCA2B

Cat. No. GUCA2B-3706H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 90 AA. MW: 10 kDa (calculated). Two N-Terminal extra AA (highlighted).
Species	Human
Source	E.coli
ProteinLength	27-112 aa
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 50mM Phosphate buffer pH7.4.
Research topic	Others; Renal disease
Purity	>95%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
Sequences of amino acids	GPVYIQYQGF RVQLESMKKL SDLEAQWAPS PRLQAQSLLP AVCHHPALPQ DLQPVCASQE ASSIFKTLRT IANDDCELCV NVACTGCL

 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

Storage

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

Gene Name [GUCA2B guanylate cyclase activator 2B \(uroguanylin\) \[Homo sapiens \]](#)

Official Symbol [GUCA2B](#)

Synonyms GUCA2B; guanylate cyclase activator 2B (uroguanylin); UGN; GCAP-II; guanylate cyclase activator 2B; uroguanylin; OTTHUMP00000007927; uroguanylin; Guanylate cyclase C-activating peptide 2; Guanylate cyclase C-activating peptide II

Gene ID [2981](#)

mRNA Refseq [NM_007102](#)

Protein Refseq [NP_009033](#)

MIM [601271](#)

UniProt ID [Q16661](#)

Chromosome Location 1p34-p33

Pathway Myometrial Relaxation and Contraction Pathways

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Function

calcium sensitive guanylate cyclase activator activity; enzyme activator activity

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