

## Product datasheet for **TP321085**

### Uroguanylin (GUCA2B) (NM\_007102) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human guanylate cyclase activator 2B (uroguanylin) (GUCA2B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221085 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MGCRAASGLLPGVAVVLLLLLQSTQSVYIQYQGFRVQLESMMKKLSDLAQWAPSPRLQAQSLP VACHHP ALPQDLQPVCASQEASSIFKTLRTIANDDCELCVNVACTGCL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	11.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_009033</a>
Locus ID:	2981
UniProt ID:	<a href="#">Q16661</a>
RefSeq Size:	597
Cytogenetics:	1p34.2



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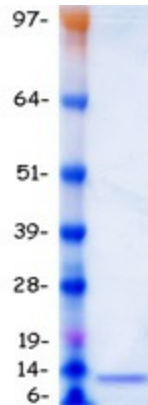
RefSeq ORF: 336

Synonyms: GCAP-II; UGN

**Summary:** 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. [provided by RefSeq, Nov 2015]

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified GUCA2B protein (Cat# TP321085). The protein was produced from HEK293T cells transfected with GUCA2B cDNA clone (Cat# [RC221085]) using MegaTran 2.0 (Cat# [TT210002]).