

Product datasheet for PH321085

Uroguanylin (GUCA2B) (NM_007102) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GUCA2B MS Standard C13 and N15-labeled recombinant protein (NP_009033)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221085
Predicted MW:	12.1 kDa
Protein Sequence:	>RC221085 protein sequence Red=Cloning site Green=Tags(s) MGCRAASGLLPGVAVVLLLLLQSTQSVYIQYQGFRVQLESMKKLSDLEAQWAPSPRLQAQSLLPVCHHP ALPQDLQPVCASQEASSIFKTLRTIANDDCELCVNVACTGCL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_009033
RefSeq Size:	597
RefSeq ORF:	336
Synonyms:	GCAP-II; UGN
Locus ID:	2981
UniProt ID:	Q16661
Cytogenetics:	1p34.2



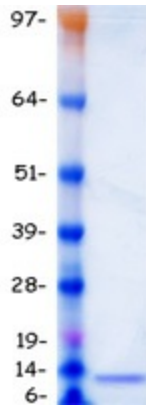
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Summary:

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]).