

Data Sheet

HUMAN UROGUANYLIN (aa 1-24)

SYNTHETIC

Catalog no.:	AE1018AG.1 / AE1018AG.2
Name:	Human Uroguanylin (aa 1-24), circulating form, bicyclic
Sequence:	FKTLRTIANDDCELCVNVACTGCL
Synonyms:	UGN
Swiss-Prot No:	Q16661
Gene Information:	Gene Name: GUCA2B
	GeneID: 2981
Source:	Synthetic
Purity:	> 95% (HPLC)
Contents:	10 µg / 100 µg (lyophilized)
	Resuspend in 0.1% acetic acid for required concentration
Store at:	- 20 °C
	Repeated thawing and freezing must be avoided

Reference:

1. Hess R, Kuhn M, Schulz-Knappe P, Raida M, Fuchs M, Klodt J, Adermann K, Kaever V, Cetin Y, Forssmann WG (1995). GCAP-II: isolation and characterization of the circulating form of human uroguanylin. *FEBS Lett* **374**(1)**:** 34-38.

2. Klodt J, Kuhn M, Marx UC, Martin S, RÖUsch P, Forssmann W-G, Adermann K (1997). Synthesis, biological activity and isomerism of guanylate cyclase C-activating peptides guanylin and uroguanylin. *The Journal of Peptide Research* **50**(3)**:** 222-230.

3. Marx UC, Klodt J, Meyer M, Gerlach H, Rösch P, Forssmann WG, Adermann K (1998). One peptide, two topologies: structure and interconversion dynamics of human uroguanylin isomers. *The Journal of Peptide Research* **52**(3)**:** 229-240.

4. Lenz W, Herten M, Gerzer R, Drummer C (1999). Regulation of natriuretic peptide (urodilatin) release in a human kidney cell line. *Kidney Int* **55**(1)**:** 91-99.

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