



LKT Laboratories, Inc.

Urocortin II, human

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID U6856
CAS No. 398001-88-2
Chemical Name

Synonym UCN 2

Formula $C_{194}H_{338}N_{63}O_{54}S$
Formula Wt. 4449.31
Melting Point
Purity $\geq 95\%$
Solubility Soluble in water.

Store Temp $-20^{\circ}C$
Ship Temp Ambient

Description Urocortin II is an endogenous peptide ligand and member of the corticotropin-releasing factor (CRF) family; it binds and activates CRF type 2 receptors. Like other urocortins, urocortin II modulates stress responses and exhibits anorexigenic, anxiogenic, anxiolytic, and positive inotropic effects (including increases in coronary blood flow and cardiac output) across a wide variety of in vivo models. Urocortin II modulates Ca^{2+} homeostasis in cellular models. Additionally, urocortin II induces depolarization of pathogen cell membranes, exhibiting antibacterial activity.

H-Ile-Val-Leu-Ser-Leu-Asp-Val-Pro-Ile-Gly-Leu-Leu-Gln-Ile-Leu-Leu-Glu-Gln-Ala-Arg-Ala-Arg-Ala-Ala-Arg-Glu-Gln-Ala-Thr-Thr-Asn-Ala-Arg-Ile-Leu-Ala-Arg-Val-Gly-His-Cys-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
U6856	0.5 mg	\$150.00
U6856	1 mg	\$275.00
U6856	2.5 mg	\$565.00

References Campos-Salinas J, Caro M, Cavazzuti A, et al. Protective Role of the Neuropeptide Urocortin II against Experimental Sepsis and Leishmaniasis by Direct Killing of Pathogens. J Immunol. 2013 Dec 15;191(12):6040-51. PMID: 24249730 Grossini E, Caimmi PP, Molinari C, et al. Modulation of calcium movements by urocortin II in endothelial cells. Cell Physiol Biochem. 2010;25(2-3):221-32. PMID: 20110683.

Grossini E, Molinari C, Mary DA, et al. The effect of urocortin II administration on the coronary circulation and cardiac function in the anesthetized pig is nitric-oxide-dependent. Eur J Pharmacol. 2008 Jan 14;578(2-3):242-8. PMID: 17936748.

Takahashi K, Totsune K, Murakami O, et al. Urocortins as cardiovascular peptides. Peptides. 2004 Oct;25(10):1723-31. PMID: 15476939.

Suda T, Kageyama K, Sakihara S, et al. Physiological roles of urocortins, human homologues of fish urotensin I, and their receptors. Peptides. 2004 Oct;25(10):1689-701. PMID: 15476936.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.