



LKT Laboratories, Inc.

KL-1 Peptide

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Product Information

Product ID K4401

CAS No.

Chemical Name

Synonym Kit Ligand 1; C-Kit Ligand; Stem cell factor; SCF; Mast Cell Growth Factor; MGF; KITLG

Formula $C_{53}H_{90}N_{16}O_{18}$

Formula Wt. 1239.40

Melting Point

Purity $\geq 95\%$

Solubility

H-Leu-Pro-Pro-Val-Ala-Ala-Ser-Ser-Leu-Arg-Asn-Asp-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
K4401	1 mg	\$120.80
K4401	2 mg	\$215.30
K4401	5 mg	\$320.30

Store Temp -20°C

Ship Temp Ambient

Description KL-1 is a fragment of c-KIT ligand/stem cell factor. KL-1 may play a role in the development of inflammation and fibrosis in the kidney. KL-1 may also act as a growth factor, stimulating cellular expansion.

References El Kossi MM, Haylor JL, Johnson TS, et al. Stem cell factor in a rat model of serum nephrotoxic nephritis. *Nephron Exp Nephrol.* 2008;108(1):e1-e10. PMID: 18087173.

Koller MR, Oxender M, Brott DA, et al. flt-3 ligand is more potent than c-kit ligand for the synergistic stimulation of ex vivo hematopoietic cell expansion. *J Hematother.* 1996 Oct;5(5):449-59. PMID: 8938517.

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