LKT Laboratories, Inc.

# CKS-17

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

## Product Information

**Product ID** C4274
**CAS No.** 99273-04-8
**Chemical Name**

H-Leu-Gln-Asn-Arg-Arg-Gly-Leu-Asp-Leu-Leu-Phe-Leu-Lys-Glu-Gly-Gly-Leu-OH

**Synonym** Envelope Glycoprotein; Env Polyprotein; CKS 17; CKS17.

**Formula** $C_{87}H_{148}N_{26}O_{24}$
**Formula Wt.** 1942.31
**Melting Point**
**Purity** ≥95%
**Solubility** Soluble in water.

## Pricing and Availability

***Bulk quanitites available upon request***

| Product ID | Size | List Price |
|---|---|---|
| C4274 | 0.5 mg | $65.00 |
| C4274 | 1 mg | $120.00 |
| C4274 | 2.5 mg | $240.00 |

**Store Temp** -20°C
**Ship Temp** Ambient

**Description** CKS-17 is a synthetic peptide with a sequence homologous to endogenous retroviral transmembrane envelope proteins; it exhibits immunosuppressive activity in vitro and in vivo. In one study, CKS-17 inhibits production of IL-12, IL-2, TNF-α, and IFN-γ, increases levels of cAMP and IL-10, and activates ERK1/2, MEK, PKD, PLC-γ, and c-Raf; this results in an inhibition of the Th1-centric immune response.

**References**

Haraguchi S, Good RA, Day-Good NK. A potent immunosuppressive retroviral peptide: cytokine patterns and signaling pathways. Immunol Res. 2008;41(1):46-55. PMID: 18506644.

Fan Tx, Day NK, Luangwedchakarn V, et al. The phosphorylation of phospholipase C-gamma1, Raf-1, MEK, and ERK1/2 induced by a conserved retroviral peptide. Peptides. 2005 Nov;26(11):2165-74. PMID: 15978701.

Takahashi A, Day NK, Luangwedchakarn V, et al. A retroviral-derived immunosuppressive peptide activates mitogen-activated protein kinases. J Immunol. 2001 Jun 1;166(11):6771-5. PMID: 11359835.

Kabeya H, Ohashi K, Sugimoto C, et al. Bovine leukaemia virus envelope peptides cause immunomodulation in BALB/c mice. Vet Immunol Immunopathol. 1999 Mar 29;68(1):39-48. PMID: 10231950.