



LKT Laboratories, Inc.

HIV Reverse Transcriptase A2.1 Peptide

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Product Information

Product ID H3278

CAS No.

Chemical Name

Synonym HIV-1 RT Epitope, IV9 (476-484)

Formula C₄₆H₇₈N₁₂O₁₂

Formula Wt. 991.21

Melting Point

Purity ≥95%

Solubility Soluble in water.

H-Ile-Leu-Lys-Glu-Pro-Val-His-
Gly-Val-OH

Product ID	Size
H3278	1 mg
H3278	2 mg
H3278	5 mg

Store Temp -20° C

Ship Temp Ambient

Description This peptide is a CD8+ T cell epitope of HIV-1 reverse transcriptase (RT) subtype A2.1. This peptide may be used in the design of HIV vaccines, as it includes a target sequence that is recognizable by cytotoxic lymphocytes.

References Peter K, Men Y, Pantaleo G, et al. Induction of a cytotoxic T-cell response to HIV-1 proteins with short synthetic peptides and human compatible adjuvants. *Vaccine*. 2001 Jul 20;19(30):4121-9. PMID: 11457536.

Shankar P, Sprang H, Lieberman J. Effective lysis of HIV-1-infected primary CD4+ T cells by a cytotoxic T-lymphocyte clone directed against a novel A2-restricted reverse-transcriptase epitope. *J Acquir Immune Defic Syndr Hum Retrovirol*. 1998 Oct 1;19(2):111-20. PMID: 9768618.

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