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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

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Datasheet for 000-001-L94

Apelin 13, pyr1, Leu13

Overview

Description:	Apelin 13 pyr1, Leu13 Peptide - 000-001-L94
Item No.:	000-001-L94
Size:	1 mg

Product Details

Background:	Apelin (APLN) is an endogenous ligand for APJ, an alternative coreceptor with CD4 for HIV-1 infection. It inhibits HIV-1 entry in cells coexpressing CD4 and APJ. It is widely expressed in various organs. Apelin-36 has a greater inhibitory activity on HIV infection than other synthetic apelin derivatives. The oral intake in the colostrum and the milk could have a role in the modulation of the immune responses in neonates. May also have a role in the central control of body fluid homeostasis by influencing AVP release and drinking behavior. Recently, 46 different apelin peptides ranging from apelin 55 (proapelin) to apelin 12 have been identified in bovine colostrum.
Synonyms:	Apelin, APJ endogenous ligand, Apelin-36, Apelin-31, Apelin-28, Apelin-13, APLN, APEL, control peptide, blocking peptide
Type:	Peptide

Target Details

Purity/Specificity:	Greater than 95% specific peptide.

Application Details

Application Note:	Apelin 13 pyr1, Leu13 Control Peptide is suitable for use in ELISA, Western Blot, Dot blot, PCA, and other assays. Control peptide should be used at 1.0 µg per 1.0 µl of antiserum in per assay. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

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Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by dry weight
Buffer:	None
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 2 - 8 ° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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