# Apelin 13 pyr1, Thr6 Peptide - 000-001-L85L

**Code:** 000-001-L85L **Size:** 5 mg

**Product Description:** Apelin 13 pyr1, Thr6 Peptide - 000-001-L85L

**Concentration:** 1.0 mg/mL by dry weight

**PhysicalState:** Lyophilized

| | |
|---|---|
| **Buffer** | None |
| **Reconstitution Volume** | 5.0 mL |
| **Reconstitution Buffer** | Restore with deionized water (or equivalent) |
| **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. |
| **Synonyms** | Apelin, APJ endogenous ligand, Apelin-36, Apelin-31, Apelin-28, Apelin-13, APLN, APEL, control peptide, blocking peptide |
| **Application Note** | Apelin 13 pyr1, Thr6 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. |
| **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. |
| **Purity And Specificity** | Greater than 95% specific peptide. |
| **Assay Dilutions** | Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay. |
| **Other Assays** | Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay. |
| **Expiration** | Expiration date is one (1) year from date of opening. |
| **Related Products** | |

## Disclaimer

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