

## Apelin-17(human, bovine)

Cat. No.:	HY-P1066
CAS No.:	217082-57-0
Molecular Formula:	C <sub>96</sub> H <sub>156</sub> N <sub>34</sub> O <sub>20</sub> S
Molecular Weight:	2138.55
Sequence:	Lys-Phe-Arg-Arg-Gln-Arg-Pro-Arg-Leu-Ser-His-Lys-Gly-Pro-Met-Pro-Phe
Sequence Shortening:	KFRRQRPRLSHKGPMMPF
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

Description	Apelin-17(human, bovine) is an endogenous orphan G protein-coupled receptor APJ agonist. Apelin-17(human, bovine) binds to human APJ receptors expressed in HEK 293 cells (pIC <sub>50</sub> =9.02). Apelin-17(human, bovine) inhibits the entry of some HIV-1 and HIV-2 into the NP2/CD4 cells expressing APJ <sup>[1][2][3]</sup> .	
IC <sub>50</sub> & Target	HIV-1	HIV-2

### REFERENCES

- [1]. Tatemoto K, Hosoya M, Habata Y, et al. Isolation and characterization of a novel endogenous peptide ligand for the human APJ receptor. *Biochem Biophys Res Commun.* 1998;251(2):471-476.
- [2]. Medhurst AD, Jennings CA, Robbins MJ, et al. Pharmacological and immunohistochemical characterization of the APJ receptor and its endogenous ligand apelin. *J Neurochem.* 2003;84(5):1162-1172.
- [3]. Zou MX, et al. Apelin peptides block the entry of human immunodeficiency virus (HIV). *FEBS Lett.* 2000;473(1):15-18.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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