

Product Datasheet

Apelin 36 (human) (orb1140484)

Catalog Number	orb1140484
Category	Proteins
Description	Endogenous apelin agonist; Peptides.
Form/Appearance	Freeze dried solid
Purity	> 95% by hplc
Protein Sequence	H-Leu-Val-Gln-Pro-Arg-Gly-Ser-Arg-Asn-Gly-Pro-Gly-Pro-Trp-Gln-Gly-Gly-Arg-Arg-Lys-Phe-Arg-Arg-Gln-Arg-Pro-Arg-Leu-Ser-His-Lys-Gly-Pro-Met-Pro-Phe-OH
MW	4195.87 Da
Structure	H-Leu-Val-Gln-Pro-Arg-Gly-Ser-Arg-Asn-Gly-Pro-Gly-Pro-Trp-Gln-Gly-Gly-Arg-Arg-Lys-Phe-Arg-Arg-Gln-Arg-Pro-Arg-Leu-Ser-His-Lys-Gly-Pro-Met-Pro-Phe-OH
Modifications	None
Target Areas	Apelin receptors
Solubility (25°C)	Soluble to 1 mg/ml in water
CAS Number	252642-12-9
Formula	$C_{184}H_{297}N_{69}O_{43}S$
Storage	Store dry, frozen and in the dark

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Background

Apelin-36 (human) is an endogenous apelin receptor agonist that is secreted by adipocytes. Apelin-36 (human) binds with high affinity to human apelin receptors expressed in HEK 293 cells ($pIC_{50} = 8.61$) and is linked to two major types of biological activity: cardiovascular, such as stimulation of cardiac contractility and suppression of blood pressure, and metabolic, including improving glucose homeostasis and lowering body weight, and regulation of cardiovascular function, fluid homeostasis and feeding.

Note

For research use only

Expiration Date

12 months from date of receipt.

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