

[Pyr1]-Apelin-13

Catalog #	Source	Reactivity	Applications
CCP1696	Synthetic		
Description	Peptide to [Pyr1]-Apelin-13		
Biological Description	<p>The pyroglutamyl form of apelin-13 exhibited a high activity with an EC₅₀ value of 0.30 nM. pERPRLSHKGPMPF is probably the final product of the post-translational modification of apelin and the biologically active endogenous ligand.</p> <p>[Pyr1]-Apelin-13 has been identified as the predominant apelin isoform in the human heart. Pyr-Apelin-13 stimulates glucose utilization in normal and obese insulin-resistant mice. It could be required for the maintenance of insulin sensitivity.</p>		
Form	Lyophilized powder		
CAS Number	217082-60-5		
Molecular Formula	C69H108N22O16S		
Molecular Weight	1533.85		
Purity	> 95%		
Chemical Structure	Pyr - Arg - Pro - Arg - Leu - Ser - His - Lys - Gly - Pro - Met - Pro - Phe		
Storage/Stability	Shipped at 4°C. Store at -20°C for one year.		
Structure			

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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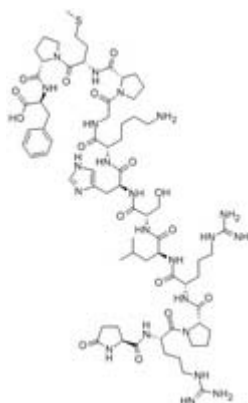
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Product Data Sheet



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