antibodies

Datasheet for ABIN7273863 Apelin Protein (APLN) (AA 23-77) (Fc Tag)



Overview

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Images

Quantity:	100 µg
Target:	Apelin (APLN)
Protein Characteristics:	AA 23-77
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Apelin protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse APLN Protein
Sequence:	Val23-Phe77
Characteristics:	Recombinant Mouse APLN Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Val23-Phe77.
Purity:	>95 % as determined by Tris-Bis PAGE,>95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Target Details	

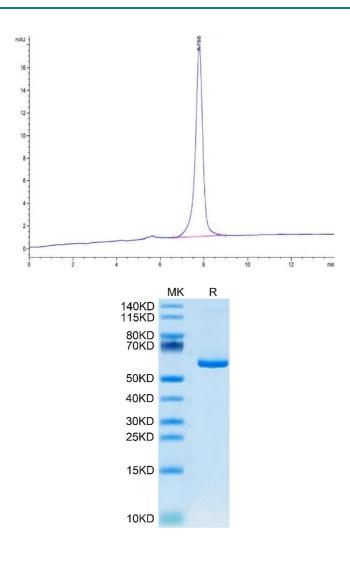
Target:	Apelin (APLN)
Alternative Name:	APLN (APLN Products)

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Background:	Macrophages play key roles during cardiovascular diseases (CVD) and their related
	complications.Apelin (APLN) is a key molecule, whose roles during CVD have been documented
	previously. Therefore, it has been hypothesized that APLN may perform its roles via modulation
	of macrophages. Additionally, due to the widespread distribution of the CVD, more effective
	therapeutic strategies need to be developed to overcome the related complications.
Molecular Weight:	33 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
UniProt:	Q9R0R4
Pathways:	Positive Regulation of Peptide Hormone Secretion, Hormone Activity, Feeding Behaviour

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS, 200 mM Arginine (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse APLN is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 2. Mouse APLN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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