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Datasheet for ABIN7273864

Apelin Protein (APLN) (AA 23-77) (Fc-Avi Tag,Biotin)

1 Image

Overview

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-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Mouse APLN Protein
Sequence:	Val23-Phe77
Characteristics:	Recombinant Biotinylated Mouse APLN Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Val23-Phe77.
Purity:	> 95 % as determined by Tris-Bis PAGE
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)

Target Details

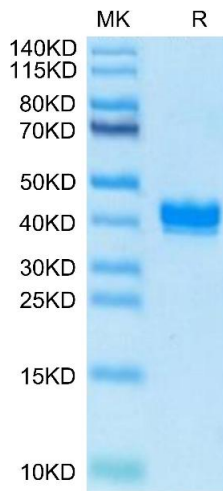
Background:	Macrophages play key roles during cardiovascular diseases (CVD) and their related complications. Apelin (APLN) is a key molecule, whose roles during CVD have been documented previously. Therefore, it has been hypothesized that APLN may perform its roles via modulation of macrophages.
Molecular Weight:	34.81 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 38-48 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
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS, 0.2M 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



SDS-PAGE

Image 1. Biotinylated Mouse APLN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .