

Datasheet for ABIN7273859

**Apelin Protein (APLN) (AA 23-77) (Fc Tag)****2** Images[Go to Product page](#)

## Overview

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

## Product Details

Purpose:	Human APLN Protein
Sequence:	Gly23-Phe77
Characteristics:	Recombinant Human APLN Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly23-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.
Biological Activity Comment:	Immobilized Human APLN, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-APLN Antibody, hFc Tag with the EC50 of 19.0ng/ml determined by ELISA. See testing image for detail.

## Target Details

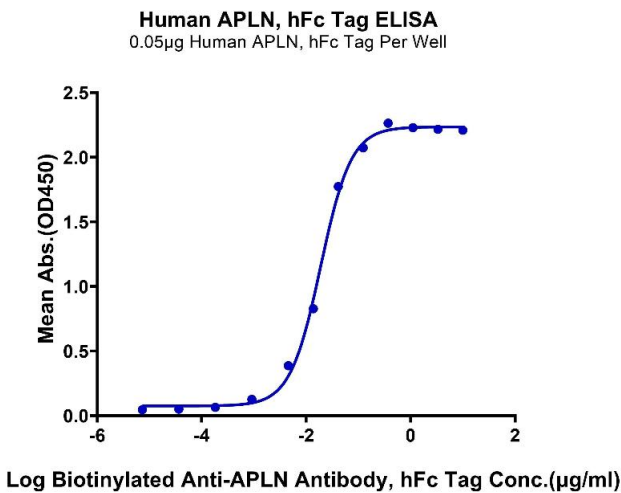
Target:	Apelin (APLN)
Alternative Name:	APLN ( <a href="#">APLN Products</a> )
Background:	Macrophages play key roles during cardiovascular diseases (CVD) and their related complications. Apelin (APLN) is a key molecule, whose roles during CVD have been documented previously. Therefore, it has been hypothesized 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:	32.9 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q9ULZ1</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Hormone Activity</a> , <a href="#">Feeding Behaviour</a>

## Application Details

Restrictions:	For Research Use only
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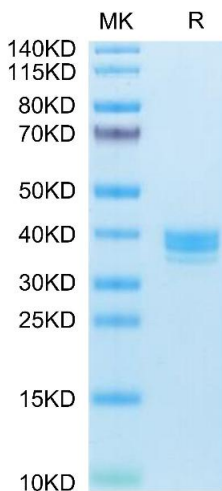
## Handling

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, 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



**ELISA**

**Image 1.** Immobilized Human APLN, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-APLN Antibody, hFc Tag with the EC50 of 19.0 ng/mL determined by ELISA.



**SDS-PAGE**

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