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Datasheet for ABIN7538134

Apelin Protein (APLN) (AA 23-77) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	Apelin (APLN)
Protein Characteristics:	AA 23-77
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Apelin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human APLN Protein with C-terminal human Fc tag
Specificity:	APLN (Gly23-Phe77) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Apelin (APLN)
Alternative Name:	APLN (APLN Products)
Background:	This gene encodes a peptide that functions as an endogenous ligand for the G-protein coupled

Target Details

apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These peptide fragments activate different tissue specific signaling pathways that regulate diverse biological functions including fluid homeostasis, cardiovascular function and insulin secretion. This protein also functions as a coreceptor for the human immunodeficiency virus 1. [provided by RefSeq, Feb 2016]

Molecular Weight: predicted molecular mass of 32.3 kDa after removal of the signal peptide. The apparent molecular mass of APLN-hFc is 25-55 kDa due to glycosylation.

UniProt: [Q9ULZ1](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Activity](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

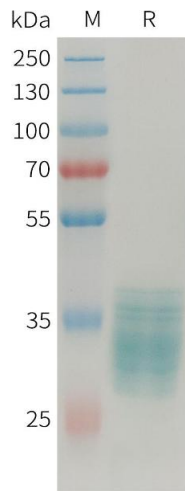
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human APLN Protein, hFc Tag on SDS-PAGE under reducing condition.