

Biotinylated Mouse APLN Protein

Cat. No. APN-MM501B

Description	
Source	Recombinant Biotinylated Mouse APLN Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Val23-Phe77.
Accession	Q9R0R4
Molecular Weight	The protein has a predicted MW of 34.81 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 38-48 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 0.2M Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

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.

Assay Data

Tris-Bis PAGE



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