

Active Recombinant Human APLN protein, hFc-tagged, Low Endotoxin

Cat. No. APLN-7854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APLN protein(Q9ULZ1)(Gly23-Phe77), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-77 aa
Form	Lyophilized from 0.22µm filtered solution in PBS, 200mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human APLN, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-APLN Antibody, hFc Tag with the EC50 of 42.2ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 32.9 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name APLN apelin [Homo sapiens]

Official Symbol APLN

Synonyms APLN; apelin; apelin, AGTRL1 ligand; XNPEP2; AGTRL1 ligand; APJ endogenous ligand; APEL;

Gene ID 8862

mRNA Refseq NM_017413

Protein Refseq NP_059109

MIM 300297

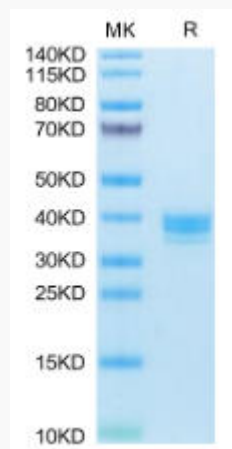
UniProt ID Q9ULZ1

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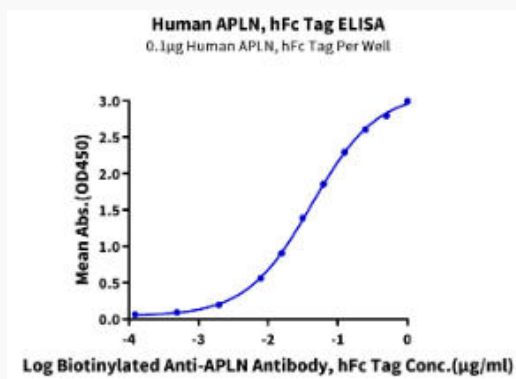
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Bis-Tris PAGE



ELISA Data



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