Human ARTN Protein

Cat. No.　　ARN-HM201

Description

Source	Recombinant Human ARTN Protein is expressed from HEK293 with hFc tag at the N-Terminus.
	It contains Ala108-Gly220.
Accession	Q5T4W7-1
Molecular Weight	The protein has a predicted MW of 39.3 kDa. Due to glycosylation, the protein migrates to 48-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

|	
Formulation	Lyophilized from 0.22µm filtered solution in 4mM HCl (pH 2.8). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in 4mM HCL. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Artemin (ARTN) is a member of glial cell line-derived neurotrophic factor (GDNF) family of ligands, and its signaling is mediated via a multi-component receptor complex including the glycosylphosphatidylinositol-anchored GDNF family receptors a (GFRa1, GFRa3) and RET receptor tyrosine kinase. The major mechanism of ARTN action is via binding to a non-signaling co-receptor. The major function of ARTN is to drive the molecule to induce migration and axonal projection from sympathetic neurons.
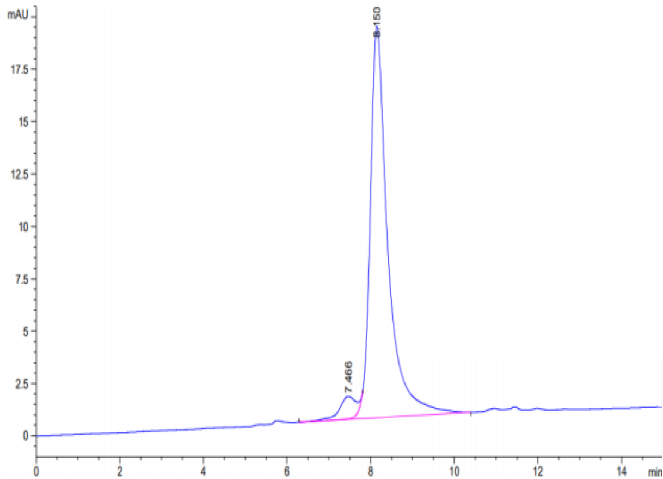
Assay Data

Bis-Tris PAGE
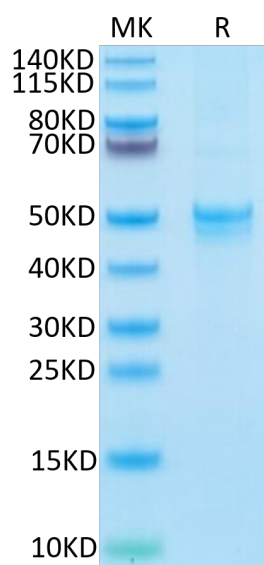
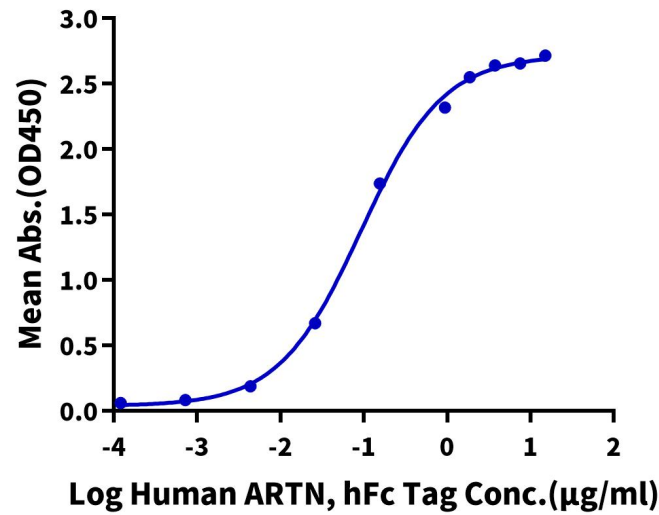Human ARTN on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

KA**C**TUS

Assay Data

The purity of Human ARTN is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human ARTN, hFc Tag ELISA

0.5μg Human GFRA3, His Tag Per Well

Immobilized Human GFRA3, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Human ARTN, hFc Tag with the EC50 of 92.5ng/ml determined by ELISA (QC Test).

For Research Use Only