

## Mouse ARTN Protein

Cat. No. ARN-MM201

### Description

<b>Source</b>	Recombinant Mouse ARTN Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ala112-Gly224.
<b>Accession</b>	Q9Z0L2-1
<b>Molecular Weight</b>	The protein has a predicted MW of 39.4 kDa. Due to glycosylation, the protein migrates to 65-80 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

### Formulation and Storage

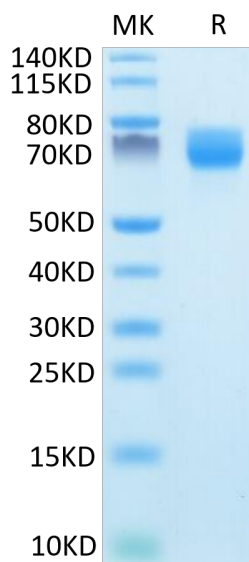
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in 50mM Glycine,150mM NaCl (pH 3.2). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 50mM Glycine,150mM NaCl (pH 3.2).
<b>Storage</b>	-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

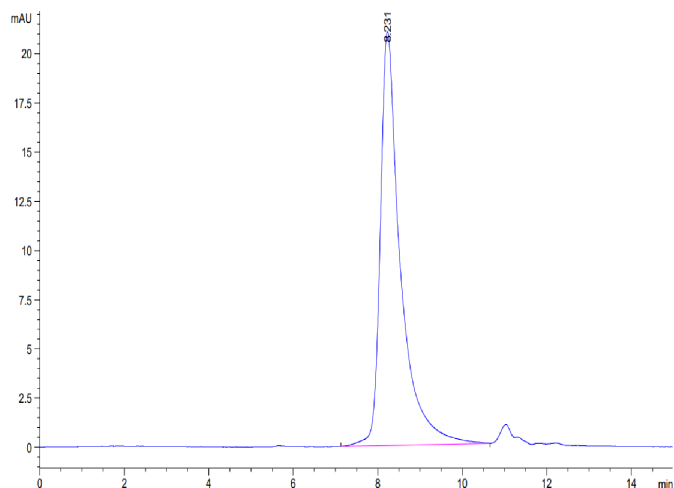
#### Bis-Tris PAGE



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

#### SEC-HPLC

Assay Data

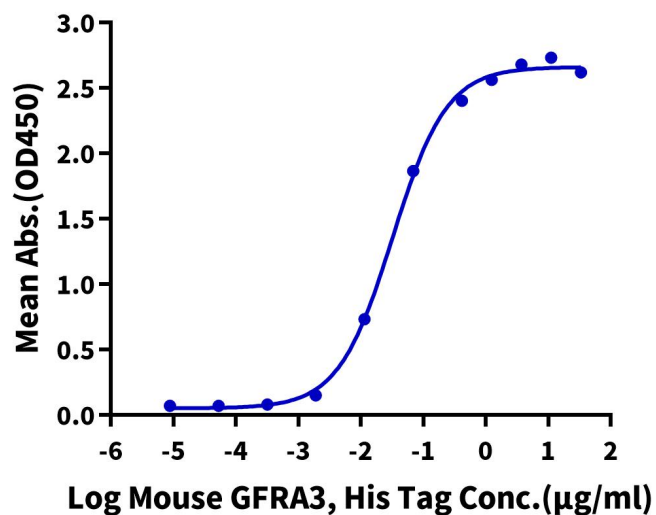


The purity of Mouse ARTN is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Mouse ARTN, hFc Tag ELISA**

0.5µg Mouse ARTN, hFc Tag Per Well



Immobilized Mouse ARTN, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Mouse GFRA3, His Tag with the EC50 of 32.2ng/ml determined by ELISA.