

# Recombinant Mouse Artemin/ARTN Prptein

Catalog No.: RP02718 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	11876	Q9Z0L2-1

### Tags

N-hFc

### Synonyms

Artemin; Enovin; Neublastin; ARTNE; EVN; ARTN; NBN

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## 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 majorhanism 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.

## Basic Information

### Description

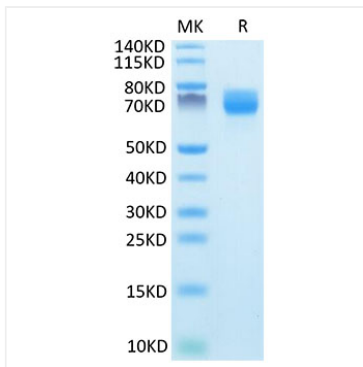
Recombinant Mouse Artemin/ARTN Prptein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala112-Gly224) of Mouse Artemin/ARTN (Accession #) fused with hFc tag at the N-terminal.

### Bio-Activity

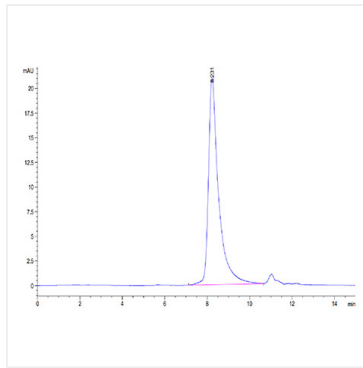
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

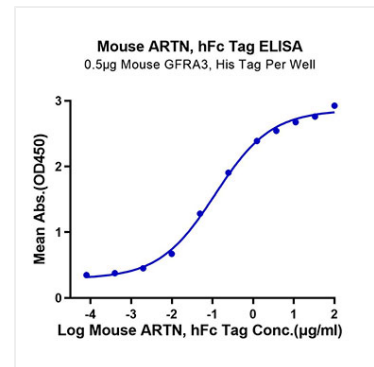
## Validation Data



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



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



Immobilized Mouse GFRA3, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse ARTN, hFc Tag with the EC<sub>50</sub> of 0.12µg/ml determined by ELISA.