

**Catalog No.: RP02718** **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	11876	O9Z0L2-1

## N-hFc

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

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

39.4 kDa                      65-80 kDa

< 1 EU/μg of the protein by LAL method.

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.

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

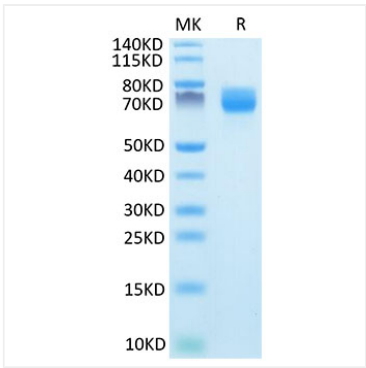
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Artemin (ARTN) is a member of glial cell line-derived neurotrophic factor (GDNF) family of ligands, and its signaling is mediated via a multi-component receptor complex including the glycosylphosphatidylinositol-anchored GDNF family receptors a (GFRa1, 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.

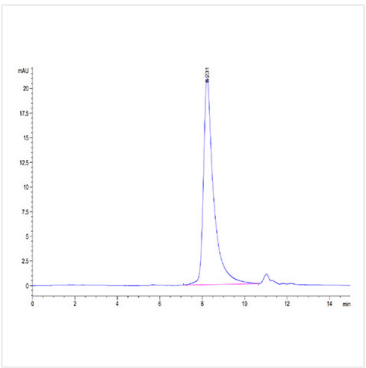
Recombinant Mouse Artemin/ARTN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala112-Gly224) of Mouse Artemin/ARTN (Accession #) fused with hFc tag at the N-terminal.

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.

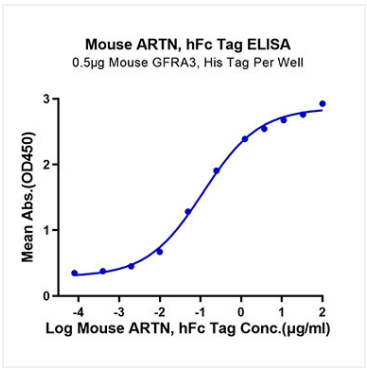
Validation Data



Recombinant Mouse Artemin/ARTN Protein was determined by Tris-Bis PAGE under reducing conditions.



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.