

RP02718

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Recombinant Mouse ARTN Protein

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 freeze-thaw cycles.

Contact



www.abclonal.com

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.

Basic Information

Description

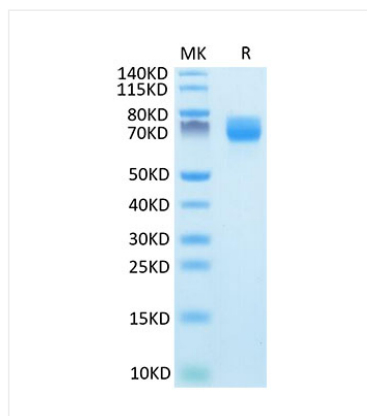
Recombinant Mouse ARTN Protein is expressed from Expi293 with hFc tag at the N-terminal. It contains Ala112-Gly224.

Bio-Activity

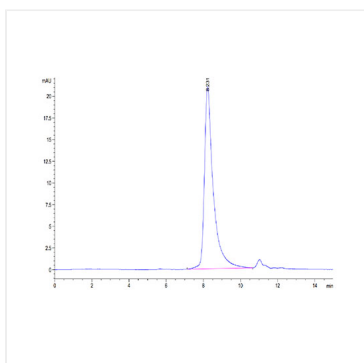
Storage

Store the lyophilized protein at -20°C to -80°C for long term. 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.

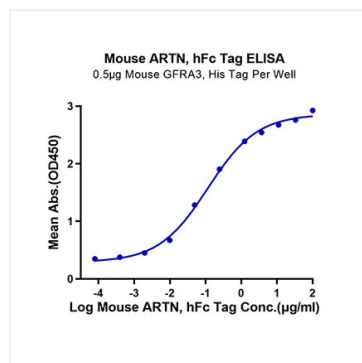
Validation Data



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 EC₅₀ of 0.12μg/ml determined by ELISA.