

Mouse ARTN Protein

Cat. No. ARN-MM201

Description

Source	Recombinant Mouse ARTN Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ala112-Gly224.
Accession	Q9Z0L2-1
Molecular Weight	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.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

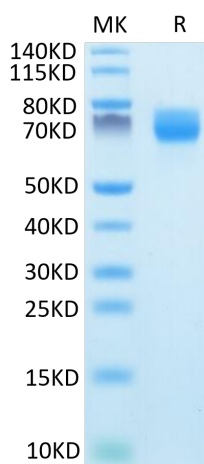
Formulation	Lyophilized from 0.22 μm filtered solution in 50mM Glycine, 150mM NaCl (pH 3.2). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in 50mM Glycine, 150mM NaCl (pH 3.2).
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 α (GFR α 1, GFR α 3) 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

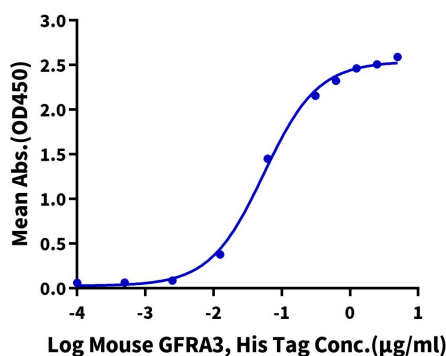
Bis-Tris PAGE



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

ELISA Data

Mouse ARTN, hFc Tag ELISA
0.5 μg Mouse ARTN, hFc Tag Per Well



Immobilized Mouse ARTN, hFc Tag at 5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Mouse GFRA3, His Tag with the EC₅₀ of 54.7ng/ml determined by ELISA (QC Test).