

Datasheet for ABIN7273877

**ARTN Protein (AA 112-224) (Fc Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ARTN
Protein Characteristics:	AA 112-224
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARTN protein is labelled with Fc Tag.

## Product Details

Purpose:	Mouse ARTN Protein
Sequence:	Ala112-Gly224
Characteristics:	Recombinant Mouse ARTN Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ala112-Gly224.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

## Target Details

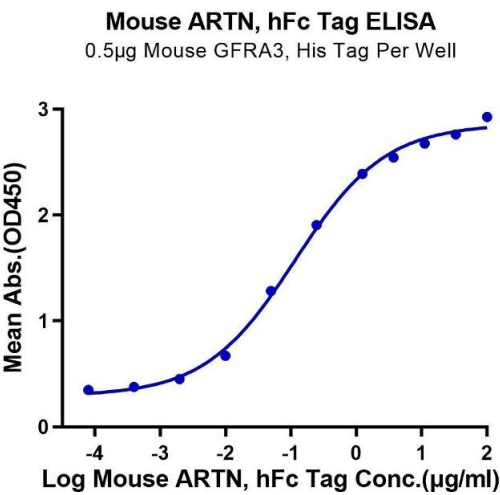
Target:	ARTN
Alternative Name:	ARTN ( <a href="#">ARTN Products</a> )
Background:	Artemin (ARTN) is a member of glial cell line-derived neurotrophic factor (GDNF) family of ligands, and its signaling is mediated via a multi-component receptor complex including the glycosylphosphatidylinositol-anchored 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.
Molecular Weight:	39.4 kDa. Due to glycosylation, the protein migrates to 65-80 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

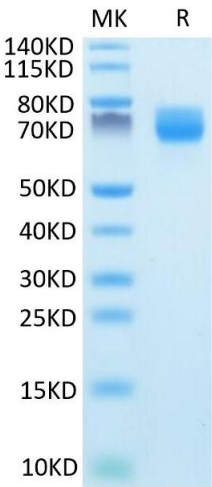
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 50 mM Glycine, 150 mM NaCl (pH 3.2).
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM Glycine, 150 mM NaCl (pH 3.2). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



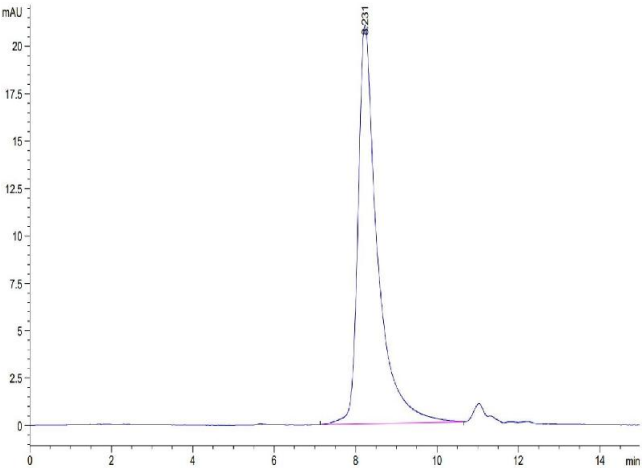
**ELISA**

**Image 1.** Immobilized Mouse GFRA3, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Mouse ARTN, hFc Tag with the EC50 of 0.12 µg/mL determined by ELISA.



**SDS-PAGE**

**Image 2.** Mouse ARTN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Mouse ARTN is greater than 95 % as determined by SEC-HPLC.