

Datasheet for ABIN7273876

ARTN Protein (AA 108-220) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ARTN
Protein Characteristics:	AA 108-220
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARTN protein is labelled with Fc Tag.

Product Details

Purpose:	Human ARTN Protein
Sequence:	Ala108-Gly220
Characteristics:	Recombinant Human ARTN Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ala108-Gly220.
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 Human GFRA3, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human ARTN, hFc Tag with the EC50 of 0.17µg/ml determined by ELISA. See testing image for detail.

Target Details

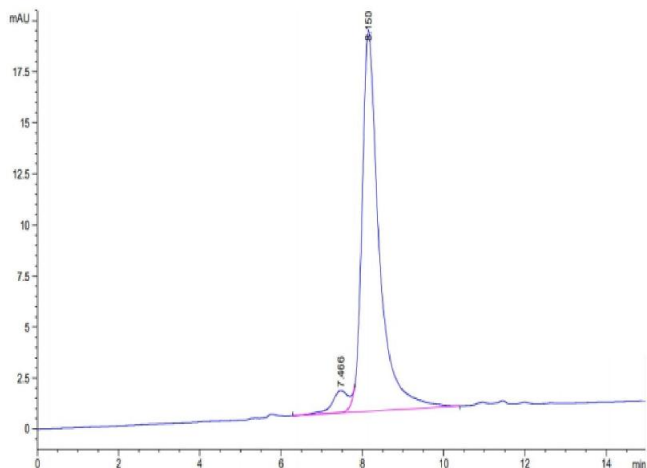
Target:	ARTN
Alternative Name:	ARTN (ARTN Products)
Background:	Artemin (ARTN) is a member of glial cell line-derived neurotrophic factor (GDNF) family of ligands, and its signaling is mediated via a multi-component receptor complex including the glycosylphosphatidylinositol-anchored GDNF family receptors 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.
Molecular Weight:	39.3 kDa. Due to glycosylation, the protein migrates to 48-52 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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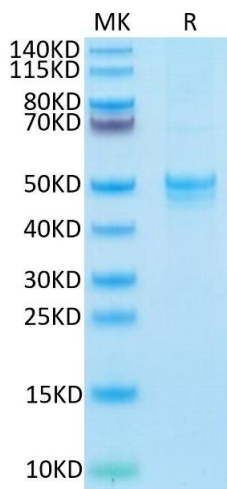
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in 4 mM HCl (pH 2.8).
Buffer:	Lyophilized from 0.22 μ m filtered solution in 4 mM HCl (pH 2.8). 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



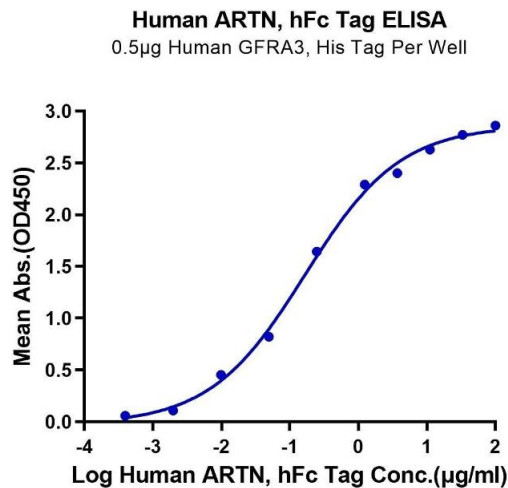
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human ARTN is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

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



ELISA

Image 3. Immobilized Human GFRA3, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human ARTN, hFc Tag with the EC50 of 0.17 µg/mL determined by ELISA.