HUMAN ARTN PROTEIN, HFC TAG

：11952

：   ARTN

：10/50/100 μg

ART;EVN;NBN;ENOVIN

：ARTN

UNIPROT ID: Q5T4W7

：Recombinant Human ARTN Protein with C-terminal human Fc tag

：   This gene encodes a secreted ligand of the glial cell line-derived neurotrophic factor (GDNF) subfamily and TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein signals through the RET receptor and GFR alpha 3 coreceptor, and supports the survival of a number of peripheral neuron populations and at least one population of dopaminergic CNS neurons. This protein has also been shown to promote tumor growth, metastasis, and drug resistance in mammary carcinoma. [provided by RefSeq, Aug 2016]

／   ：HEK293

：The protein has a predicted molecular mass of 38.1 kDa after removal of the signal peptide. The apparent molecular mass of ARTN-hFc is approximately 35-55 kDa due to glycosylation.

：ARTN(Ala108-Gly220) hFc(Glu99-Ala330)

：The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

：Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
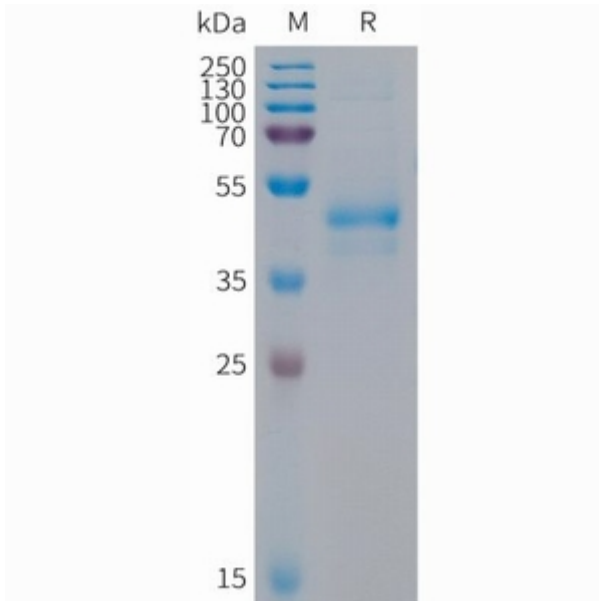
Figure 1.Human ARTN Protein, hFc Tag on SDS-PAGE under reducing condition.