

Active Recombinant Human ARTN

Cat. No. ARTN-801H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARTN (Accession # NP_476432) Ala108-Gly220, fused with , was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala108-Gly220
Predicted N Terminal	Ala108
Form	Lyophilized from a 0.2 µm filtered solution in HCl with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using SH-SY5Y human neuroblastoma cells. The ED50 for this effect is typically 4-16 ng/mL. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human GFR alpha -3/GDNF R alpha -3 Fc Chimera at 1 µg/mL (100 µL/well) can bind Recombinant Human Artemin with an apparent Kd <1 nM.
Molecular Mass	Recombinant Human ARTN has a calculated MW of 12 kDa (monomer). In SDS-PAGE migrates as 12 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name [ARTN artemin \[Homo sapiens \]](#)

Official Symbol ARTN

Synonyms ARTN; artemin; ENOVIN; EVN; NBN; neublastin; neurotrophic factor;

Gene ID [9048](#)

mRNA Refseq [NM_001136215](#)

Protein Refseq [NP_001129687](#)

MIM [603886](#)

UniProt ID Q5T4W7

Chromosome Location 1p33-p32

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