

Recombinant Human ARTN Protein

Cat. No. ARTN-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARTN Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Artemin is a neurotrophin member of the glial cell line-derived neurotrophic factor (GDNF) ligand family. Artemin is highly expressed in the adult pituitary gland, placenta, and trachea, and shows low level expression in the brain, spinal cord, and peripheral tissues. Artemin signals through the RET receptor and GDNF family receptor alpha 3 (GFR3) co-receptor complex to support neuronal survival.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Dimer, 12.0/23.9 kDa (113/226 aa)
AA Sequence	AGGPGSRARAAGARGCRLRSQ LVPVRALGLGHRSDLVRFRCGSGSCRRARSPH DLSLASLLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATAC GCLG
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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	1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	ARTN artemin [Homo sapiens (human)]
Official Symbol	ARTN
Synonyms	ARTN; artemin; ENOVIN; EVN; NBN; neublastin; neurotrophic factor;
Gene ID	9048
mRNA Refseq	NM_001136215
Protein Refseq	NP_001129687

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MIM	603886
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UniProt ID	Q5T4W7
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