

Artemin Protein, Human

Cat. No.:	HY-P7607
Synonyms:	rHuArtemin; Artemin, ARTN, Enovin
Species:	Human
Source:	E. coli
Accession:	Q5T4W7 (A108-G220)
Gene ID:	9048
Molecular Weight:	Approximately 14.0 kDa

PROPERTIES

AA Sequence	A G G P G S R A R A A G A R G C R L R S Q L V P V R A L G L G H R S D E L V R F R F C S G S C R R A R S P H D L S L A S L L G A G A L R P P P G S R P V S Q P C C R P T R Y E A V S F M D V N S T W R T V D R L S A T A C G C L G
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM HEPES, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Artemin supports peripheral and central neurons and signals through the GFRalpha3-RET receptor complex. Artemin can also activate the GFRalpha1-RET complex and supports the survival of dopaminergic midbrain neurons in culture, indicating that like GDNF (GFRalpha1-RET) and NTN (GFRalpha2-RET), Artemin has a preferred receptor (GFRalpha3-RET) but that alternative receptor interactions also occur ^[1] .
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REFERENCES

[1]. R H Baloh, et al. Artemin, a novel member of the GDNF ligand family, supports peripheral and central neurons and signals through the GFRalpha3-RET receptor complex. Neuron. 1998 Dec;21(6):1291-302.

Caution: Product has not been fully validated for medical applications. For research use only.

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