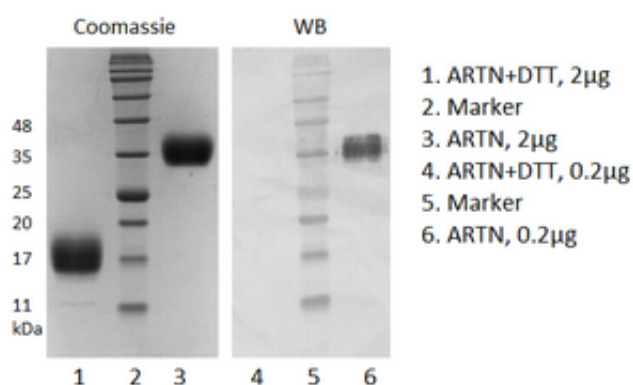


## Artemin, human recombinant

Catalogue #	P-102-100
Synonyms:	Artemin, Enovin, Neublastin
Uniprot ID:	Q5T4W7
Source:	Human
MW:	Approximately 18.8 kDa, a single nonglycosylated polypeptide chain containing 181 amino acids. Protein is homodimer
Host:	CHO-based cell line (expressed by QMCF Technology)
Purification:	Purified from serum-free CHO growth media by ion-exchange chromatography and gel-filtration. Protein is sterile-filtered through 0.22 µm filter
Concentration:	1 mg/ml Concentration of the protein is determined by BCA Protein Analysis kit (Pierce). BSA was used as a standard
Buffer:	10 mM Na-citrate; 150 mM NaCl pH 4.5
Endotoxine:	Less than 1 EU/mg of protein as determined by LAL method
Bioproperties:	Product is suitable for cell culture and <i>in vivotesting</i> . Protein is biologically active. Biological activity of purified artemin was tested in <i>in vitro</i> receptor-dependent cellular morphology change induction assay using U2OS cells expressing Ret and GFR $\beta$ -3 receptor complex
QC:	SDS-PAGE and Western-Blot analysis
Related Products:	Polyclonal and monoclonal antibodies against human Artemin
Shipping:	Shipped in dry-ice
Storage:	Store at -70°C upon receipt. Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles

**Background:** Artemin is a ligand for the GFR- $\alpha$ -3-RET receptor complex but can also activate the GFR- $\alpha$ -1-RET receptor complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain. Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut associated lymphoid tissue ([www.uniprot.org](http://www.uniprot.org); Baloh et al. 1998, Neuron; Rosenblad et al. 2000, Eur. J. Biochem)

**Custom price** Custom quantity - ask quotation



**A B**

**Figure A.** Coomassie-stained SDS-PAGE and Western Blot analysis on purified recombinant human Artemin. (A) SDS-PAGE analysis in reduced and non-reduced conditions. 2μg of recombinant human Artemin was loaded per lane. Lane 1 Artemin (reduced); Lane 2. Protein size marker (Blue Protein Ladder Prestained, Naxo, 8003); Lane 3. Artemin (non-reduced);

**Figure B.** Western Blot analysis of recombinant human Artemin. Anti-human Artemin monoclonal antibody clone 2D12 (Icosagen AS Cat. No 324-100) was used for testing. 2D12 antibody recognizes only native conformation, dimeric (non-reduced) Artemin. 0.2 μg of recombinant Artemin were loaded per lane. Lane 1. Artemin (reduced); Lane 2. Protein size marker Blue (Protein Ladder Prestained, Naxo, 8003); Lane 3. Artemin (non-reduced).