

**Product:** Artemin, human, recombinant  
**Catalog #:** 11-ARTE  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human Artemin (rHuArtemin) produced in E.Coli is a disulfide-linked homodimer, non-glycosylated polypeptide chain containing two identical 113 amino acids and having a total molecular mass of 24213.4 Dalton  
The sequence of the first five N-terminal amino acids was determined and was found to be ALA-Gly-Pro-Gly-Gly

**SOURCE:** *E.Coli* Expression System

**PURITY:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuArtemin

**DIMERS & AGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified, in 10mM Sodium Citrate pH 4.5, 25mM NaCl.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
-UV spectroscopy at 280 nm using the absorbency value  
- Analysis by RP-HPLC, using a standard solution of Artemin as a Reference Standard

**CONCENTRATION:** mg/ml

**BIOLOGICAL ACTIVITY:** rHuArtemin is fully biologically active when compared to standard.  
The ED50, calculated by the dose-dependant proliferation assay SH-SY5Y cell line which was found to be 4-8ng/ml.  
The activity can also determined by it's ability to promote survival and neurite outgrowth

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles

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