

# Human Artemin Recombinant Protein



RPPB0067

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## Product Information    Protein Information

**Product SKU:**

RPPB0067

**Accession:**

O95441

**Host:**

Escherichia Coli.

**Protein description:**

Artemin Human Recombinant produced in E.Coli is a disulfide-linked homodimer, non-glycosylated, polypeptide chain containing 2 x 113 amino acids and having a total molecular mass of 24.2 kDa. Artemin is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

ART, ARTN , EVN, NBN.

**Formulation:**

Artemin was lyophilized after extensive dialysis against 10mM sodium citrate pH-4.5 and 25mM sodium chloride.

**Purity:**

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Artemin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Artemin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Artemin Human Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

AGGPGSRARA AGARGCRLRS QLVPVRALGL GHRSDLVRF RFCSGSCRR RSPHDLAS LLGAGALRPP  
PGSRPVSQPC CRPTRYEAVS FMDVNSTWRT VDRLSATAACG CLG.

**Biological Activity:**

The activity is determined by the dose-dependent proliferation of the SH-SY5Y cell line and is typically 4-8 ng/mL. The activity can also be determined by its ability to promote survival and neurite outgrowth.