

Human Artemin Recombinant Protein



RPPB0067

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 H₂O 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 RFCSGSCRRR RSPHDLAS LLGAGALRPP
PGRSPVSQPC 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.