



Recombinant Human Artemin

Catalog Number: 100-23

Lot Number: dddd-100-23-xx

Specifications and Use

Description:

Recombinant Human Artemin 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 24213 Daltons.

Physical Appearance:

Sterile Filtered white lyophilized (freeze-dried) powder.

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Source: E.coli

Formulation:

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

Reconstitution:

It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg's/ml, which can be further diluted into other aqueous solutions.

Stability:

Lyophilized product is very stable at -20 degrees. Reconstituted material should be aliquoted and frozen at -20. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Purity Greater than 98% as determined by:

Analysis by RP-HPLC.

Reducing and non-reducing SDS-PAGE.

Protein Content determined by:

UV spectroscopy at 280 nm.

Analysis by RP-HPLC calibrated against a known standard.

Quantitation on SDS-PAGE against a known standard.

Biological Activity:

Artemin 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.

AA Sequence:

AGGPGSRARA AGARGCRLRS QLVPVRLGL GHRSELVRF RFCSGSCRRA RSPHDLSLAS LLGAGALRPP
PGRPVVSQPC CRPTRYEAVS FMDVNSTWRT VDRLSATACG CLG

FOR RESEARCH USE ONLY.

NOT FOR USE IN HUMANS!

**Shenandoah
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