

Artemin, Human Recombinant

Catalog No.	CRA001A CRA001B CRA001C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	ARTN, EVN, NBN		
Description:	Recombinant Human Artemin is a homodimeric, non-glycosylated polypeptide chain containing 2 x 113 amino acids and has a total MW = 24.2 kDa.		
Source:	<i>E. coli</i>		
Formulation:	Lyophilized from a sterile filtered solution after extensive dialysis against 10 mM sodium citrate, pH 4.5 + 150 mM sodium chloride.		
Purity:	>98.0% as determined by RP-HPLC and SDS-PAGE		
Endotoxin Level:	<0.1 ng/µg of protein		
Biological Activity:	Determined by its ability to promote survival and neurite outgrowth in dorsal root ganglion neurons.		
Amino Acid Sequence:	The sequence of the first five N-terminal amino acids is Ala-Gly-Gly-Pro-Gly.		
Reconstitution:	Centrifuge vial prior to opening. First add sterile water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Lyophilized artemin is stable at room temperature for 3 weeks, but it is recommended to store the lyophilized product desiccated at -20°C to -80°C. Upon reconstitution, protein should be stored at 2-4°C for one week and for future use at -20°C to -80°C. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

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