Recombinant Human Artemin (ARTN)

Cat No:HR2R1161

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	ARTN
Gene ID	9048
Accession	Q5T4W7
Alternative Name	Enovin, Neublastin
Species	Human
Source	E. coli
Description	Artemin is a disulfide-linked member of the glial cell line-derived homodimeric neurotrophic factor (GDNF) family which all signal via a multicomponent receptor system composing of a high-affinity binding component (GFR?1-4) and a common signalling receptor tyrosine kinase (RET). Artemin prefers the receptor GFR?3-RET, but will use the others as an alternative. Artemin promotes the survival and growth of peripheral and central neurons, including dopaminergic neurons in the mid-brain; and plays an important role in the development of sensory and sympathetic neurons.
Functions	The ED50 as determined by its binding ability in a functional ELISA (using SH-SY5Y human neuroblastoma cells), is 4-16 ng/mL
Formulation	Lyophilized from a 0.2 ?m filtered solution in HCl (with BSA as a carrier protein)
Solubility	Reconstitute in sterile 4mM HCl at 100 ?g/mL (containing at least 0.1% human or bovine serum albumin)
Appearance	Lyophilized Powder
Molecular Weight	12.2
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.