

Artemin Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P75584
Synonyms:	Artemin; ARTN; Enovin; EVN; EVNneurotrophic factor; NBN; Neublastin
Species:	Mouse
Source:	HEK293
Accession:	Q9Z0L2-1 (A112-G224)
Gene ID:	11876
Molecular Weight:	Predicted band size: 39.4 kDa; Observed band size: 65-80 kDa

PROPERTIES

Biological Activity	Immobilized Mouse ARTN, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Mouse GFRA3, His Tag with the EC ₅₀ of 34.8ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50mM Glycine,150mM NaCl (pH 3.2).
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Artemin protein functions as a ligand for the GFR-alpha-3-RET receptor complex and can also activate the GFR-alpha-1-RET receptor complex. It plays a vital role in supporting the survival of sensory and sympathetic peripheral neurons in culture and additionally supports the survival of dopaminergic neurons in the ventral mid-brain. Acting as a strong attractant for gut hematopoietic cells, Artemin promotes the formation of Peyer's patch-like structures, which are integral components of the gut-associated lymphoid tissue. The protein exists in a homodimeric form, linked by disulfide bonds, and binds to the RET receptor.
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Caution: Product has not been fully validated for medical applications. For research use only.

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