

Recombinant Human ARTN cell lysate

Cat. No. ARTN-134HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene is a member of the glial cell line-derived neurotrophic factor (GDNF) family of ligands which are a group of ligands within the TGF-beta superfamily of signaling molecules. GDNFs are unique in having neurotrophic properties and have potential use for gene therapy in neurodegenerative disease. Artemin has been shown in culture to support the survival of a number of peripheral neuron populations and at least one population of dopaminergic CNS neurons. Its role in the PNS and CNS is further substantiated by its expression pattern in the proximity of these neurons. This protein is a ligand for the RET receptor and uses GFR-alpha 3 as a coreceptor. Multiple transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ARTN artemin [Homo sapiens]
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Official Symbol	ARTN
Synonyms	ARTN; artemin; ENOVIN; EVN; NBN; neublastin; neurotrophic factor;
Gene ID	9048
mRNA Refseq	NM_001136215
Protein Refseq	NP_001129687
MIM	603886
UniProt ID	Q5T4W7
Chromosome Location	1p33-p32
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem; NCAM1 interactions, organism-specific biosystem;
Function	growth factor activity; receptor binding;

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