

Bioactive

# ARTN (Human) Recombinant Protein,homodimer

Catalog # P8444

Size 20 ug

## Specification

<b>Product Description</b>	Human ARTN (Q5T4W7) recombinant protein expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	AGGPGSRARAAGARGCRLRSQ LVPVRALGLGHRSEDLVRFRFCSGSCRRARSPHDLSLASLLG AGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGLG.
<b>Host</b>	Escherichia coli
<b>Theoretical MW (kDa)</b>	24.2
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 98% by HPLC and SDS PAGE
<b>Activity</b>	The activity is determined by the dose-dependent proliferation of the SH-SY5Y cell line and is typically 4-8 ng/mL. The activity can also be determined by the ability to promote survival and neurite outgrowth.
<b>Storage Buffer</b>	Lyophilized from 10mM sodium citrate pH 4.5 and 25mM sodium chloride.
<b>Storage Instruction</b>	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — ARTN

Entrez GeneID	<a href="#">9048</a>
Protein Accession#	<a href="#">Q5T4W7</a>
Gene Name	ARTN
Gene Alias	ENOVIN, EVN, NBN
Gene Description	artemin
Omim ID	<a href="#">603886</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000009173 OTTHUMP00000009174 neublastin neurotrophic factor neurotrophic factor artemin

## Disease

- [Genetic Predisposition to Disease](#)
- [Hirschsprung Disease](#)