

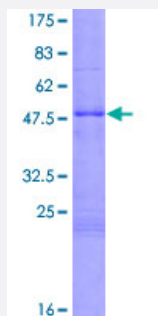
Full-Length

# ARTN (Human) Recombinant Protein (P01)

Catalog # H00009048-P01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human ARTN full-length ORF ( AAH62375.1, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MELGLGGLSTLSHCPWPRQQAPLGLSAQPALWPTLAALALLSSVAEASLGSA PRSPAPREGPP PVLASPAGHLPGGRTARWC SG RARRPPPQSRPAPPPPAPPSALPRGGRAARAGGPGSRARA AGARGCRLRSQLVPVRALGLGHRSEDLVRFRFCSGSCRRARSPHDLSLASLLGAGALRPPPGS RPVSQPCCRPTRYEA VSFMDVNSTWRTVDRLSATA CGCLG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50
Interspecies Antigen Sequence	Mouse (73); Rat (75)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ARTN

Entrez GeneID [9048](#)

GeneBank Accession# [BC062375.1](#)

Protein Accession# [AAH62375.1](#)

Gene Name ARTN

Gene Alias ENOVIN, EVN, NBN

Gene Description artemin

Omim ID [603886](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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]

**Other Designations** OTTHUMP00000009173|OTTHUMP00000009174|neublastin|neurotrophic factor|neurotrophic factor artemin

## Disease

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