

# Recombinant Full Length Human ARTN Protein, GST-tagged

Cat. No. ARTN-1085HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ARTN full-length ORF ( AAH62375.1, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	228 amino acids
<b>Description</b>	This gene encodes a secreted ligand of the glial cell line-derived neurotrophic factor (GDNF) subfamily and TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein signals through the RET receptor and GFR alpha 3 coreceptor, and supports the survival of a number of peripheral neuron populations and at least one population of dopaminergic CNS neurons. This protein has also been shown to promote tumor growth, metastasis, and drug resistance in mammary carcinoma. [provided by RefSeq, Aug 2016]
<b>Molecular Mass</b>	50 kDa
<b>AA Sequence</b>	MELGLGGLST LSHCPWPRQQ APLGLSAQPA LWPTLAALAL LSSVAEASLG SAPRSPAPRE GPPPVLASPA GHLPGGRTAR WCSGRARRPP PQPSRPAPPP PAPPSALPRG GRAARAGGPG SRARAAGARG CRLRSQLVVPV RALGLGHRSD

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ELVRFRCFCSG SCRRARSPHD LSLASLLGAG ALRPPPGSRP VSQPCCRPT  
 YEAVSFMDVN STWRTVDRLS ATACGCLG

**Applications**

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

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[ARTN artemin \[ Homo sapiens \]](#)

**Official Symbol**

[ARTN](#)

**Synonyms**

ARTN; artemin; ENOVIN; EVN; NBN; neublartin; neurotrophic factor

**Gene ID**

[9048](#)

**mRNA Refseq**

[NM\\_001136215](#)

**Protein Refseq**

[NP\\_001129687](#)

**MIM**

[603886](#)

**UniProt ID**

[Q5T4W7](#)

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