

Recombinant Full Length Human ARTN Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ARTN full-length ORF (AAH62375.1, 1 a.a. - 228 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	228 amino acids
Description	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]
Molecular Mass	50 kDa
AA Sequence	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; neublastin; neurotrophic factor

Gene ID

9048

mRNA Refseq

NM_001136215

Protein Refseq

NP_001129687

MIM

603886

UniProt ID

Q5T4W7

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