

## Recombinant Mouse Artn protein, His-tagged

**Cat. No.** Artn-1692M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Artn aa. (Ala112~Gly224 (Accession # Q9Z0L2)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala112~Gly224
<b>Description</b>	<p>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. Mice lacking a functional copy of this gene exhibit ptosis and impaired development of the sympathetic nervous system.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	16kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)

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<b>Purity</b>	>95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	10

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Artn artemin [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Artn</a>
<b>Synonyms</b>	Artn; artemin; neublastin
<b>Gene ID</b>	<a href="#">11876</a>
<b>mRNA Refseq</b>	<a href="#">NM_001284191.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001271120.1</a>

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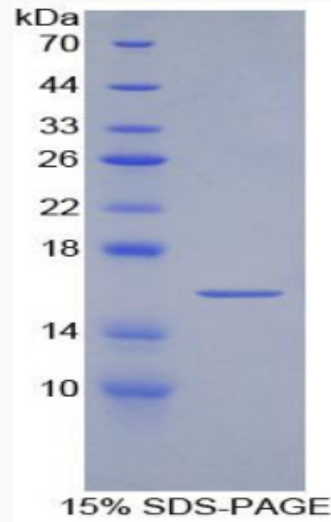
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UniProt ID

Q9Z0L2

SDS-PAGE



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