

Recombinant Mouse Artn protein, His-tagged

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

SPECIFICATION

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

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	10

GENE INFORMATION

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

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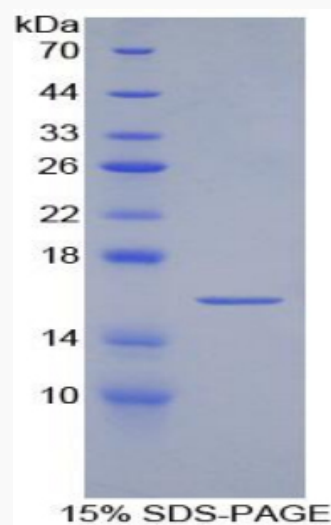
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UniProt ID

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SDS-PAGE



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