

Product datasheet for RC209122L2

OriGene Technologies, Inc.

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Artemin (ARTN) (NM_057090) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Artemin (ARTN) (NM_057090) Human Tagged Lenti ORF Clone

Tag: mGFF

Symbol: Artemin

Synonyms: ART; ENOVIN; EVN; NBN

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC209122).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_057090

ORF Size: 684 bp





Artemin (ARTN) (NM_057090) Human Tagged Lenti ORF Clone - RC209122L2

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 057090.1</u>

 RefSeq Size:
 1162 bp

 RefSeq ORF:
 687 bp

 Locus ID:
 9048

 UniProt ID:
 Q5T4W7

Cytogenetics: 1p34.1

Protein Families: Druggable Genome, Secreted Protein

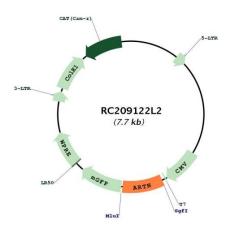
MW: 18.8 kDa

Gene Summary: 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]



Product images:



Circular map for RC209122L2