

Product datasheet for RC215471L4V

OriGene Technologies, Inc.

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Artemin (ARTN) (NM 057091) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Artemin (ARTN) (NM_057091) Human Tagged ORF Clone Lentiviral Particle

Symbol: Artemin

Synonyms: ART; ENOVIN; EVN; NBN

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_057091

ORF Size: 660 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC215471).

Sequence:

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.

RefSeg: NM 057091.1, NP 476432.1

 RefSeq Size:
 1892 bp

 RefSeq ORF:
 663 bp

 Locus ID:
 9048

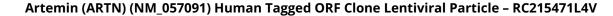
 UniProt ID:
 Q5T4W7

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]