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Product datasheet for RC209122L2V

Artemin (ARTN) (NM_057090) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Artemin (ARTN) (NM_057090) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Artemin
Synonyms:	ART; ENOVIN; EVN; NBN
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_057090
ORF Size:	684 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209122).
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.
RefSeq:	NM_057090.1
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

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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]

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