

Product datasheet for **RG215471**

Artemin (ARTN) (NM_057091) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Artemin (ARTN) (NM_057091) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Artemin
Synonyms:	ART; ENOVIN; EVN; NBN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215471 representing NM_057091 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCTGGACTTGGAGGCCTCTCCACGCTGTCCCACTGCCCTGGCCTAGGCGGCAGCCTGCCCTGT
GGCCACCCTGGCCGCTCTGGCTCTGCTGAGCAGCGTCGCAGAGGCCTCCCTGGGCTCCGCGCCCCGCGAG
CCCTGCCCCCGGAAGGCCCGCCCTGTCTGGCGTCCCCGCCGCCACCTGCCGGGGGACGCACG
GCCCGTGGTGCAGTGAAGAGCCGGCGGCCCGCCGCGCAGCCTTCTCGGCCCGCGCCCCGCCGCTG
CACCCCATCTGCTTCCCCGCGGGGGCCGCGCGCGCGGGCTGGGGGCCGGGAGCCGCGCTCGGGC
AGCGGGGGCGCGGGGCTGCCGCCTGCGCTCGCAGCTGGTCCCGGTGCGCGCGCTCGGCCTGGCCACCGC
TCCGACGAGCTGGTGCCTTCCGCTTCTGCAGCGCTCCTGCCGCGCGCGCGCTCTCCACAGACCTCA
GCCTGGCCAGCCTACTGGGCGCCGGGGCCCTGCGACCGCCCCGGGCTCCCGGCCGTAGCCAGCCCTG
CTGCCGACCCACGCGCTACGAAGCGGTCTCCTCATGGACGTCAACAGCACCTGGAGAACCGTGGACCGC
CTCTCCGCCACCGCTGCGGCTGCCTGGGC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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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: [NM_057091.1](#), [NP_476432.1](#)

RefSeq Size: 1892 bp

RefSeq ORF: 663 bp

Locus ID: 9048

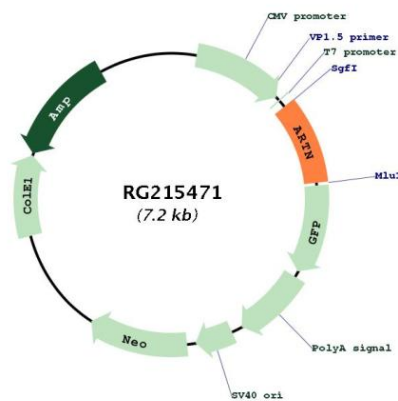
UniProt ID: [Q5T4W7](#)

Cytogenetics: 1p34.1

Protein Families: Druggable Genome, Secreted Protein

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 RG215471