

Product datasheet for **RR209126**

Artn (NM_053397) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Artn (NM_053397) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Artn
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR209126 representing NM_053397
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGA**ACTGGGACTTGGAGAGCCTACTGCATTGTCCCACTGCCTCCGGCCTAGGTGGCAACCAGCCTTGT**
GGCCAACCCTAGCTGCTCTAGCCCTGCTGAGCAGCGTCACAGAAGCTTCCTGGACCCAATGTCCCAGC
CCCCGCCTCTCGCGATGTTCCCTCGCCGGTCTGGCGCCCCAACAGACTACCTACCTGGGGACACACC
GCACATCTGTGCAGCGAAAGAGCCCTGCGACCACCGCCGAGTCTCCTCAGCCCCACCCCCACCCCG
GTCCCCGCTCCAGTCTCCTCCCGTGCCTCCCGGGGCACGGCGGGCGGTGCAGGAACCCGGAGCAG
 CCGCGCACGGGCTACAGATGCGCGCGGGTGCCTCCGCTCACAGCTGGTGCCTGAGCGCTCTCGGC
 CTGGGCCACAGCTCCGACGAGCTGATACGTTTCCGCTTCTGCAGCGTTTCGTGCCCGGAGCAGCTCCC
 CGCAGATCTCAGCCTGGCCAGCCTGCTGGACGCCGGGCCCTGCGGTGCCTCCCGGGTCCCGGCCGAT
 CAGCCAGCCCTGTTGCCGGCCCACTCGCTATGAGGCCGTCTCCTCATGGACGTGAACAGCACCTGGAGA
 ACCGTGGACCATCTCCGCCACC**CGCTGCGGCTGTCTGGGC**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209126 representing NM_053397
 Red=Cloning site Green=Tags(s)

MELGLGEPTALSHCLRPRWQPALWPTLAALALLSSVTEASLDPMSRSPASRDVPSVLPAPPTDYLPGGHT
 AHLCSERALRPPQSPQPAPPPGPALQSPPAALRGARAARAGTRSSRARATDARGCRLRSQLVPSALG
 LGHSSDELIRFRFCSGSRRRARSPhDLslasLLDAGALRSPGSRPIISQCCRPTRYEAVSFMDVNSTWR
 TVDHLsATACGLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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_053397.1](#), [NP_445849.1](#)

RefSeq Size: 1357 bp

RefSeq ORF: 675 bp

Locus ID: 362572

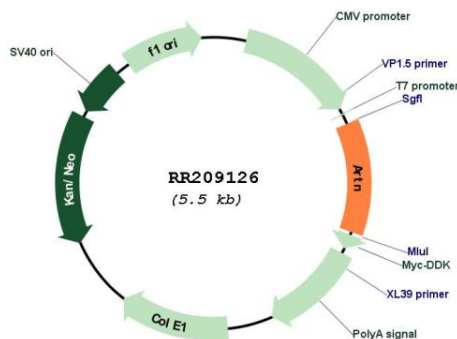
UniProt ID: [Q6AYE8](#)

Cytogenetics: 5q36

MW: 23.7 kDa

Gene Summary: Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain. Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209126