

Product datasheet for **RC233262**

Resistin (RETN) (NM_001193374) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Resistin (RETN) (NM_001193374) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Resistin
Synonyms: ADSF; FIZZ3; RETN1; RSTN; XCP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233262 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCTCTGTCTCCTCCTCCTCCCTGTCCTGGGGCTGTTGGTGTCTAGCAAGACCCTGTGCTCCA
TGGAAGAAGCCATCAATGAGAGGATCCAGGAGGTCGCCGGCTCCCTAATATTTAGGGCAATAAGCAGCAT
TGGCCTGGAGTCCAGAGCGTCACCTCCAGGGGGACCTGGCTACTTGCCCCGAGGCTTCGCCGTACCC
GGCTGCACTTGTGGCTCCGCTGTGGCTCGTGGGATGTGCGCGCCGAGACCACATGCTCACTGCCAGTGCC
CGGGCATGGACTGGACCGGAGCGCGCTGCTGTCGTGTGCAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233262 protein sequence
Red=Cloning site Green=Tags(s)

MKALCLLLLPLVGLLVSSKTLCSMEEAINERIQEVAGSLIFRAISSIGLECSVTSRGLATCPRGFAVT
GCTCGSACGSWDVRAETTCHCQCAGMDWTGARCCRVQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6008_a05.zip

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_001193374

ORF Size: 324 bp

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: [NM_001193374.2](#)

RefSeq Size: 469 bp

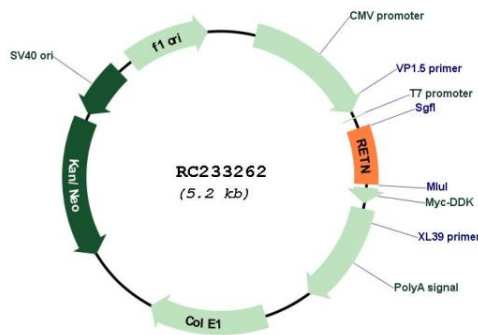
RefSeq ORF: 327 bp

Locus ID: 56729

UniProt ID: [Q9HD89](#)
Cytogenetics: 19p13.2
Protein Families: Druggable Genome, Secreted Protein
MW: 11.4 kDa

Gene Summary: This gene belongs to the family defined by the mouse resistin-like genes. The characteristic feature of this family is the C-terminal stretch of 10 cys residues with identical spacing. The mouse homolog of this protein is secreted by adipocytes, and may be the hormone potentially linking obesity to type II diabetes. The encoded protein also has an antimicrobial role in skin, displaying antibacterial activity against both Gram positive and Gram negative bacteria. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2020]

Product images:



Circular map for RC233262