

Product datasheet for **RG210942**

Resistin (RETN) (NM_020415) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Resistin (RETN) (NM_020415) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Resistin
Synonyms: ADSF; FIZZ3; RETN1; RSTN; XCP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210942 representing NM_020415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAGCTCTGTCTCCTCCTCCTCCCTGTCTGGGGCTGTTGGTGTCTAGCAAGACCCTGTGCTCCA
 TGGAGAAGCCATCAATGAGAGGATCCAGGAGGTCGCCGGCTCCCTAATATTTAGGGCAATAAGCAGCAT
 TGGCCTGGAGTGCCAGAGCGTCACCTCCAGGGGGACCTGGCTACTTGCCCCGAGGCTTCGCCGTCACC
 GGCTGCACTTGTGGCTCCGCTGTGGCTCGTGGGATGTGCGCGCCGAGACCACATGCTCACTGCCAGTGCC
 CGGGCATGGACTGGACCGAGCGCGCTGTCTGCTGTGCAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210942 representing NM_020415
 Red=Cloning site Green=Tags(s)
 MKALCLLLLPVLGLLVSSKTLCSMEEAINERIQEVAGSLIFRAISSIGLEQSVTSRGLATCPRGFAVT
 GCTCGSACGSWDVRAETTCHCQCAGMDWTGARCCRVQP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_020415

ORF Size: 324 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_020415.4](#)

RefSeq Size: 479 bp

RefSeq ORF: 327 bp

Locus ID: 56729

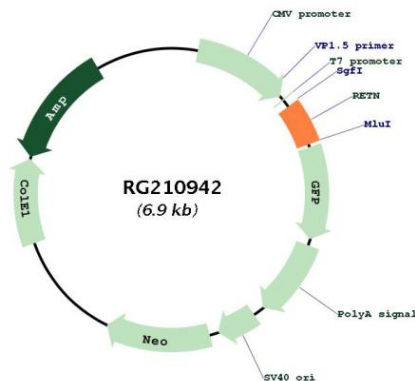
UniProt ID: [Q9HD89](#)

Cytogenetics: 19p13.2

Protein Families: Druggable Genome, Secreted Protein

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 RG210942