

Product datasheet for **MR200462**

Retn (NM_022984) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Retn (NM_022984) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Retn
Synonyms: ADSF; Fizz3; Rstn; Xcp4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200462 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAACCTTTCATTTCCCTCCTTTTCCTTTTCTTCTTGTCCCTGAACTGCTGGGCTCCAGCATGC
 CACTGTGTCCCATCGATGAAGCCATCGACAAGAAGATCAAACAAGACTTCAACTCCCTGTTTCCAAATGC
 AATAAAGAACATTGGCTTAAATTGCTGGACAGTCTCCTCCAGAGGGAAGTTGGCCTCTGCCAGAAGGC
 ACAGCAGTCTTGAGCTGCTCCTGTGGCTCTGCCTGTGGCTCGTGGGACATTCTGTAAGAAAAAGTGTGTC
 ACTGCCAGTGTGAAGGATAGACTGGACAGCAGCCCGTCTGTAAGCTGCAGGTCGCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200462 protein sequence
 Red=Cloning site Green=Tags(s)
 MKNLSFPLLFLFFLVPELLGSSMPLCPIDEAIDKIKIQDFNSLFPNAIKNIGLNCWTVSSRGKLASCEPG
 TAVLSCSCGSACGSWDIREEKVCHCQCARIDWTAARCKLQVAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_022984

ORF Size: 345 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.

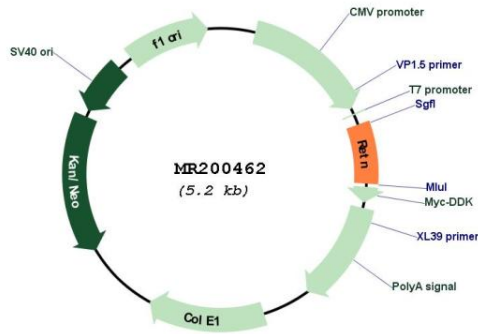
RefSeq: [NM_022984.4](#)

RefSeq Size: 1139 bp

RefSeq ORF: 345 bp

Locus ID: 57264
UniProt ID: [Q99P87](#)
Cytogenetics: 8 1.92 cM
MW: 12.5 kDa
Gene Summary: Hormone that seems to suppress insulin ability to stimulate glucose uptake into adipose cells. Potentially links obesity to diabetes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200462