

Product datasheet for RC218000

C19orf80 (ANGPTL8) (NM_018687) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C19orf80 (ANGPTL8) (NM_018687) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C19orf80
Synonyms: C19orf80; PRO1185; PVPA599; RIFL; TD26
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218000 representing NM_018687
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGTGCCTGCTCTGTGCCTGCTCTGGGCCCTGGCAATGGTGACCCGGCCTGCCTCAGCGGCCCA
 TGGGCGGCCAGAACTGGCACAGCATGAGGAGCTGACCTGCTCTCCATGGGACCCTGCAGCTGGCCA
 GGCCCTCAACGGTGTGTACAGGACCACGGAGGGACGGCTGACAAAGCCAGGAACAGCCTGGGTCTCTAT
 GGCCGCACAATAGAACTCTGGGCAGGAGGTGAGCCGGGCGGGATGCAGCCAGGAACCTCGGGCAA
 GCCTGTTGGAGACTCAGATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGCCACAGCTGAGGTGCTGGG
 GGAGGTGGCCAGGCACAGAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAGTCCAGCTGAGGAGCGCC
 TGGCTGGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCACGCTGACAAGCAGAGCCACATCTAT
 GGGCCCTCACAGGCCACGTGCAGCGGCAGAGGGGAGATGGTGGCACAGCAGCATCGGCTGCGACAGAT
 CCAGGAGAGACTCCACACAGCGGCGCTCCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218000 representing NM_018687
 Red=Cloning site Green=Tags(s)

MPVPALCLLWALAMVTRPASAAPMGGPELAQHEELTLLFHGTLQLGQALNGVYRTTEGRITKARNSLGLY
 GRTIELLGQEVSRGRDAAQELRASLLETQMEEDILQLQAEATAEVLGEVAQAQKVLRDSVQRLEVQLRSA
 WLGPAYREFEVLKAHADKQSHILWALGHVQRQRREMVAAQHRRLRQIQRERLHTAALPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk8016_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018687

ORF Size: 594 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_018687.7](#)

RefSeq Size: 1240 bp

RefSeq ORF: 597 bp

Locus ID: 55908

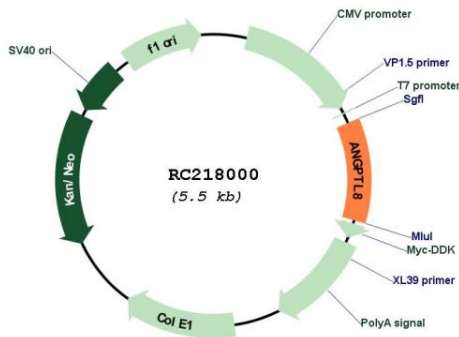
UniProt ID: [Q6UXH0](#)

Cytogenetics: 19p13.2

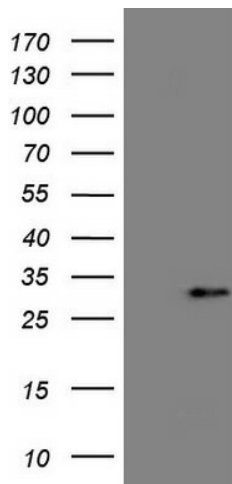
MW: 21.9 kDa

Gene Summary: Hormone that acts as a blood lipid regulator by regulating serum triglyceride levels (PubMed:22569073, PubMed:22809513, PubMed:23150577). May be involved in the metabolic transition between fasting and refeeding; required to direct fatty acids to adipose tissue for storage in the fed state (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC218000



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C19ORF80 (Cat# RC218000, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C19ORF80 (Cat# [TA808682])(1:2000).