

Product datasheet for **RC208072**

CIQTNF9B (NM_001007537) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CIQTNF9B
Synonyms:	CTRP9B
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC208072 representing NM_001007537
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGATCTGGTGGCTTCTGCTTGCCATTGAAATCTGCACAGGGAACATAAACTCACAGGACACCTGCA
GGCAAGGGCACCTGGAATCCCTGGGAACCCCGGTACAATGGTCTGCCTGGAAGAGATGGACGAGACGG
AGCGAAGGGTGACAAGGCGATGCAGGAGAACCAGGACGTCTGGCAGCCCGGGGAAGGATGGGACGAGT
GGAGAGAAGGGAGAACGAGGAGCAGATGGAAAAGTTGAAGCAAAAGGCATCAAAGGTGATCAAGGCTCAA
GAGGATCCCCAGGAAAACATGGCCCCAAGGGGCTTGCAGGGCCCATGGGAGAGAAAAGCCTCCGAGGAGA
GACTGGGCCTCAGGGGCAGAAGGGGAATAAGGGTGACGTGGGTCCCACTGGTCCTGAGGGGCCAAGGGGC
AACATTGGGCCTTTGGGCCCACTGGTTTACGGGGCCCATGGGCCCTATTGAAAGCCTGGTCCCAAGG
GAGAAGCTGGACCCACGGGGCCCCAGGGTGAGCCAGGAGTCCGGGGAATAAGAGGCTGGAAGGAGATCG
AGGAGAGAAAAGGAAAAATCGGTGAGACTCTAGTCTTGCCAAAAGTGCTTTCACTGTGGGGCTCACGGTG
CTGAGCAAGTTTCTTCTTCAAGTGTGCCATTAAATTTGATAAGATCCTGTATAACGAATTCACCAATT
ATGATACAGCAGCGGGGAAATTCACGTGCCACATTGCTGGGGTCTATTACTTCACCTACCACATCACTGT
TTTCTCCAGGAATGTTCAAGTGTCTTTGGTCAAAAATGGAGTAAAAATACTGCACACCAAGATGCTTAC
ATGAGCTCTGAGGACCAGGCCTCTGGCGGCATTGCTCAGCTGAAGCTCGGGGATGAGGTGTGGCTGC
AGGTGACAGGAGGAGAGGTTCAATGGCTTGTGCTGATGAGGACGATGACACAACCTTTCACAGGGTT
CCTTCTGTTACGACGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence: >RC208072 representing NM_001007537
Red=Cloning site Green=Tags(s)

MRIWWLLLAIEICTGNINSQDTCRQGHPIGPNPGHNLPGRDRDGA KGDKGDAGEPRGSPGKDGTSGEKG
 GERGADGKVEAKGIKQDQSGSRGSPGKHGPKLAGMPMEKGLRGETGPQGQKGNGKGDVGTGP EGPGR
 NIGPLGPTGLPGMPFIKPGPKGAEAGTPQGEGPVRGIRGWKDRGKEGKGETLVLPKSAFTVGLTVL
 SKFPSSDVGPIKFDKILYNEFNHVDTAAGKFTCHIAGYVYFTHITVSRNVQVSLVKNGVKILHTKDAY
 MSSEDOASGVVILQLKGDVEVHLOVGTGGERGNLFADEDDTTFTGFLFSSP

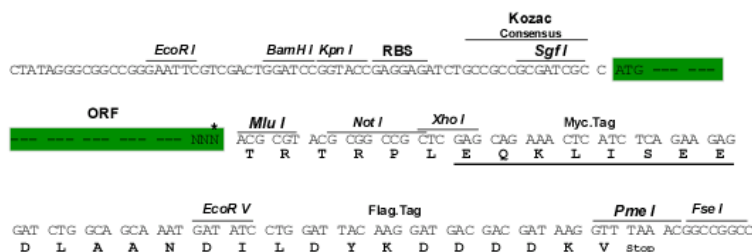
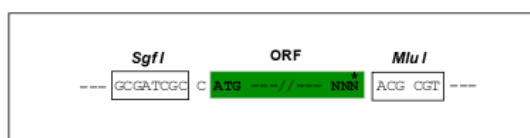
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1477_bll.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001007537

ORF Size: 999 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001007537.2](#)

RefSeq Size: 1002 bp

RefSeq ORF: 1002 bp

Locus ID: 387911

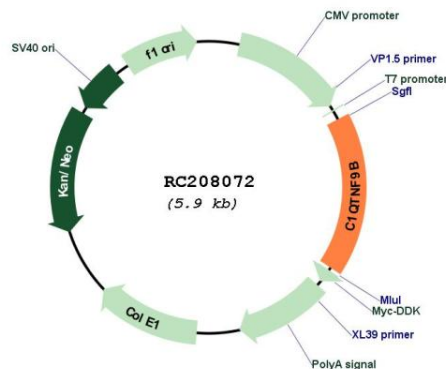
UniProt ID: [B2RNN3](#)

Cytogenetics: 13q12.12

MW: 34.5 kDa

Gene Summary: Probable adipokine. Activates AMPK, AKT, and p44/42 MAPK signaling pathways. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208072

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate

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