

Recombinant Human C1QTNF9 protein, His-tagged

Cat. No. C1QTNF9-19H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human C1QTNF9(Gln20-Pro333) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-333 a.a.
Description	Complement C1q and tumor necrosis factor-related protein 9A is also known as C1QTNF9A, AQL1, CTRP9, C1q and tumor necrosis factor related protein 9. C1QTNF9 is a secreted protein and contains one C1q domain and three collagen-like domains. C1QTNF9 interacts with ADIPOQ via the C1q domain to form a heterotrimeric complex and also interacts with CTRP9B to forms heterotrimers and heterooligomeric complexes with CTRP9B. C1QTNF9 is expressed predominantly in adipose tissue. C1QTNF9 can activates AMPK, AKT, and p44/42 MAPK signaling pathways.
Form	Lyophilized from a 0.2 μm filtered solution of PBS,pH7.4
AA Sequence	QDTCRQGHGPGIPGNPGHNGLPGRDGRDGAKGDKGDAGEPGRPGSPGKDGTSGE KGERGADGKVEA KGIKGDQGSRGSPGKHGPKGLAGPMGEKGLRGETGPQGQKG NKGDVGPTGPEGPRGNIGPLGPTG LPGPMGPIGKPGPKGEAGPTGPQGEPGVRGI RGWKGDRGEKKGIGETLVLPKSAFTVGLTVLSKF PSSDVPIKFDKILYNEFNHYDTA AGKFTCHIAGVYYFTYHITVFSRNVQVSLVKNVVKILHTKDA YMSSDQASGGIVLQ

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LKLGDEVWLQVTGGGERFNGLFADEDDDTTFTGFLLFSSPVDHHHHHH

Endotoxin

Less than 0.1 ng/g (1 IEU/g).

Purity

Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Storage

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name

[C1QTNF9](#) C1q and tumor necrosis factor related protein 9 [Homo sapiens]

Official Symbol

[C1QTNF9](#)

Synonyms

C1QTNF9; C1q and tumor necrosis factor related protein 9; complement C1q and tumor necrosis factor-related protein 9A; AQL1; C1QTNF9A; CTRP9; MGC48915; complement C1q tumor necrosis factor-related protein 9; complement C1q tumor necrosis factor-related protein 9A; complement C1q and tumor necrosis factor-related protein 9;

Gene ID

[338872](#)

mRNA Refseq

[NM_178540](#)

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Protein Refseq	NP_848635
MIM	614285
UniProt ID	P0C862
Chromosome Location	13q12.12
Function	hormone activity;

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