

Product datasheet for MC207624

C1qtnf12 (NM_026125) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1qtnf12 (NM_026125) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	C1qtnf12
Synonyms:	1110035L05Rik; alipolin; C1qdc2; CTRP12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207624 representing NM_026125 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTGGGCGCTGGGGCTGGGCGCTGCAGCGCTCCTCTGGCTACAGACTGCAGGAGCCGGGGCGGGCAGG
AGCTCAAGAAAGTCTCGGCAGCTGTTTGC CGGTGTGGATTCCCCAATATTACCACGTCCAACCGTGAGGG
GTTCCCAGGCTCCGTCAAGCCCCCGGAAGCCTCTGGACCTGAGCTCTCAGATGCCACATGACGTGGTTG
AACTTTGTCCGACGGCCAGATGATGGGTCTCTAGAAAACGGTGTCTGGCCGGGACAAGAAGTCGCGAG
GCCTCTCAGGTCTCCAGGGCCCCAGGACCTCCTGGCCCTCCTGGTCCCCTGGCTCCCCTGGTGTGGA
CGTTACCCAGAGGCCTTACTGCAGGAATTTAGGAGATACTGAAAGAGGCCACAGAAGTTCGATTCTCA
GGGCTACCAGACACATTGTTACCCAGGAACCCAGCCAACGGCTGGTGGTTGAGGCCTTCTACTGCCGTT
TGAAAGGCCCTGTGCTGGTGGACAAGAAGACTCTGGTGGAACTGCAAGGATTCCAAGCTCCTACTACTCA
GGGCGCCTTCTGCGGGGATCTGGCCTGAGCCTGTCTTGGGCCGATTACAGCCCCAGTCTCTGCCATC
TTCCAGTTTTCTGCCAGCCTGCAGTGGACCACAGTGAGCTGCAGGGCAGAGGCCGGTTGCGTACCCGGG
ATATGGTCCGTGTTCTCATCTGTATTGAGTCCTTGTGTCATCGTCATACGTCCCTGGAGGCTGTATCAGG
TCTGGAGAGCAACAGCAGGGTCTTCACAGTGCAGGTTTCAGGGGCTGCTGCATCTACAGTCTGGACAGTAT
GTCTCTGTGTTCTGGACAACAGTCTGGGGCAGTCCTCACCATCCAGAACACTTCCAGTCTCTCGGGAA
TGCTTTGGGTACCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2546_c02.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_026125
Insert Size:	927 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	BC026939 , AAH26939
RefSeq Size:	1339 bp
RefSeq ORF:	927 bp
Locus ID:	67389
UniProt ID:	Q8R2Z0
Cytogenetics:	4 87.66 cM
Gene Summary:	<p>Insulin-sensitizing adipocyte-secreted protein (adipokine) that regulates glucose metabolism in liver and adipose tissue. Promotes glucose uptake in adipocytes and suppresses de novo glucose production in hepatocytes via the PI3K-Akt signaling pathway. Administration lead to reduction of blood glucose. Able to attenuate inflammation in fat tissue (PubMed:21849507, PubMed:22275362).[UniProtKB/Swiss-Prot Function]</p>