

Product datasheet for SC315732

C1QTNF12 (NM_001014980) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1QTNF12 (NM_001014980) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1QTNF12
Synonyms:	C1QDC2; CTRP12; FAM132A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001014980 edited <pre> CTCGCCGCGCTGAGCCGCTCGGGACGGAGCCATGCGGCGCTGGGCGCTGGGCCGCGGTCTG TGGTCTCTCTCGGGCCGAGCTCGTGCTCCTCGGGGGCGTCGGGGCCCGCGGGAGGCAC AGAGGACGCAGCAGCCTGGCCAGCGCGCAGATCCCCCAACGCCACCGCCAGCGCTCCT CCCCGAGGGGCTGCCGAGGCCCAAGCCATCCCAGGCCTCAGGACCTGAGTTCTCCG ACGCCCACATGACATGGCTGAACTTTGTCCGGCGGCCGGACGACGGCGCCTTAAGGAAGC GGTGCGGAAGCAGGGACAAGAAGCCGCGGGATCTCTTCGGTCCCCCAGGACCTCCAGGTG CAGAAGTGACCGCGGAGACTCTGCTTCACGAGTTTCAGGAGCTGCTGAAAGAGGCCACGG AGCGCCGGTTCTCAGGGCTTCTGGACCCGCTGCTGCCCCAGGGGGCGGGCCTGCGGCTGG TGGGCGAGGCCTTCACTGCCGGCTGCAGGGTCCCCGCCGGGTGACAAGCGGACGCTGG TGGAGCTGCATGGTTTCCAGGCTCCTGCTGCCCAAGGTGCCTTCTGCGAGGCTCCGGTC TGAGCCTGGCCTCGGGTCGGTTACGGCCCCCGTGTCCGGCATCTTCCAGTTCTCTGCCA GTCTGCACGTGGACCACAGTGAGCTGCAGGGCAAGGCCCGGCTGCGGGCCCGGGACGTGG TGTGTGTTCTCATCTGTATTGAGTCCCTGTGCCAGCGCCACACGTGCCTGGAGGCCGTCT CAGGCCTGGAGAGCAACAGCAGGGTCTTACGCTACAGGTGCAGGGGCTGCTGCAGCTGC AGGCTGGACAGTACGTTCTGTGTTTGTGGACAATGGCTCCGGGGCCGTCTCACCATCC AGGCGGGCTCCAGCTTCTCCGGGCTGCTCCTGGGCACGTAGGGCGCCAGGGGGCTGG CGAGGAGCTGCCGCCGATCCCCGGGACCCTCCTACTGATGCCCGTGGTCAACACAATAA AGAGCCCTCCACCCTCAAAAAAAAAAAAAAAAAAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001014980
Insert Size:	1100 bp


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001014980.1.
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:	<u>NM_001014980.1, NP_001014980.1</u>
RefSeq Size:	1055 bp
RefSeq ORF:	909 bp
Locus ID:	388581
UniProt ID:	<u>Q5T7M4</u>
Cytogenetics:	1p36.33
Protein Families:	Transmembrane
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]