

Product datasheet for MC202206

C1qtnf5 (NM_001040632) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1qtnf5 (NM_001040632) Mouse Untagged Clone
Tag: Tag Free
Symbol: C1qtnf5
Synonyms: Adie; CTR; Ctrp5; Mfrp
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025174 sequence for NM_001040632
 GGAGCCAGCAAGGAGCAACCAGAAGCTAGGAGTCAGTCAGCAAGGACAGGGGCTGCCTGCCTACAGACTA
 CAAGAGAGGTTCTGGAGTCTGAGCCTCCGGGGTCACCACCATGAGGCCACTTCTTGCCCTTCTGCTTCT
 GGGTCTGGTGTCAGGCTCTCCTCCTCTGGACGACAACAAGATCCCCAGCCTGTGTCCCGGGCAGCCCGGC
 CTTCCAGGCACACCAGGTCAACATGGCAGCCAAGGCCTGCTGGCCGTGACGGCCGTGATGGCCGCGACG
 GTGCACCCGGAGCCCGGGAGAGAAAGGCGAGGGCGGGAGACCGGGACTACCTGGGCCACGTGGGGAGCC
 CGGGCCGCGTGGAGAGGCAGGGCCCATGGGGGCTATCGGGCCTGCGGGGGAGTGTCTGGTACCCCAACGA
 TCAGCCTTCAGTGCCAAGCGATCCGAGAGCCGGGTACCTCCGCCAGCCGACACACCCCTACCTTTTCGACC
 GTGTGCTGCTAAATGAGCAGGGCCATTTGACCCCACTACTGGCAAGTTCACCTGCCAAGTGCCTGGCGT
 CTAATACTTTGCTGTGCACGCCACTGTCTACCGGGCCAGCTTGCAAGTTGATCTTGTCAAAAACGGGCAG
 TCCATCGCCTCTTTCTTCCAGTATTTTGGGGGGTGGCCCAAGCCAGCCTCGCTCTCAGGGGGTGCATGG
 TAAGGCTAGAACCTGAGGACCAGGTGTGGGTGCAGGTGGGCGTGGGTGATTACATTGGCATCTATGCCAG
 CATCAAGACAGACAGTACCTTCTCTGGATTTCTCGTCTATTCTGACTGGCACAGCTCCCCAGTCTTCGCT
 TAAAACACAGTGAACCCGGAGCTGGCACTTGCTCCTCAGTGGAGGGTGTGACACTAACCCGCGCAGCGCA
 TACCAGGAGGGCTGGCCCCCTGGAATATTGTGAATGACTTAGGAAGAGAGGGAGCCACTTCCGGTCCCAC
 TGCTGGCAATGAATGGAGACAGGCTGTCTGAGGTCAAGACAGCGTGGAGCAGTGGCTGGGTTTCTGCCCA
 GGACTTTAGAATGCAGTAGGCTGGCAGCTGTGGGTCTGGCCAGGACTCCAAGTGGGATGCTCCATTC
 CTAGTCTGTGCCCCCTTAGGTCCTGACTCCATCTCTGCTGCTCCAGGGCAGGCCTTTTCTCAGAG
 GTCACCTAATAAACCTAAAATCCTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_001040632
Insert Size: 732 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).
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.
RefSeq:	BC025174 , AAH25174
RefSeq Size:	1234 bp
RefSeq ORF:	732 bp
Locus ID:	235312
UniProt ID:	Q8K479
Cytogenetics:	9 24.62 cM
Gene Summary:	<p>The protein encoded by this gene is a member of the C1q/tumor necrosis factor superfamily. This family member is a secretory protein that functions in eye development. Mutations in this gene are thought to underlie the pathophysiology of late-onset retinal degeneration (L-ORD) and early-onset long anterior zonules (LAZ). Bicistronic transcripts composed of the coding sequences for this gene (C1qtnf5) and the membrane-type frizzled-related protein gene (Mfrp) have been identified, and the resulting products can interact with each other. Co-transcription of C1qtnf5 and Mfrp has been observed in both human and mouse. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. This variant is represented as monocistronic and may not be 5'-complete; it is unclear if it exists in bicistronic form with the Mfrp ORF, or if it is derived from an internal promoter. Variants 1-5 encode the same C1qtnf5 protein.</p>