

Product datasheet for **MC206007**

Ctu2 (NM_153775) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctu2 (NM_153775) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctu2
Synonyms: 2310061F22Rik; C16orf84; Ncs2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC036332

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GGTCCCTCACGCCACTCCGCGAGTCGGGACCCACCCCTCCATGTGTGTCAGGCCGGTGAGGATTACGCGGGGCC  
GGCGCGGGGAGCCTCCGCCCGTGCCCGGCCAAGCCGGGAGCAGAAATGTGTGAAGTGCCGAGAAAGC  
CTGCCGGTGGTGTGATACGAGCGGGAGATGCCTTCTGCAGGGTTTGTTC AAGGCATTCTACGTTCA  
AATTCAGAGCCATGCTTGGGAAGAACC GGTCATCTTTCC TGGGAGAAGGTGCTCTGTCTGGTCTGG  
GGGCCCTTCGTCCAGCTCCATGGTCTGGCAAGTCTT GAGGGCCTGAGTCAGGATTCTGCGAAACGGCTA  
CGCTTTGTGCCAGGAGTCATCTATGTTGATGAGGGCGCAGCCTGTGGTCAGAGCTTGAGGACAGACAGA  
AGACGGTGGCTGAGGTGAAGCGGATCCTGGAGAACACTGGTTTCCCATGGCATGTGGTTGCCTTAGAAGA  
GGTGTTCAGCTTGCCCCATCAGTGCTATGCTGCACTTCCCAGGAGTCAGCAGGGACAGAGGAGGCCTAC  
AAGGCTGCCGTGGACCGCTTCTGCAGCAGCAGCAGCAGCAGCAGCAGCGTGTGCTGGGAGCTGAGGCCG  
GTGCCAGCCAGCTCAGGAGAGGCTCGGCTGCATCCATCCCACGGCCGGGAACCCTCAGGCACGGCCGG  
GTACCCACAGCTGCTCAGACAGAGGCCTTGTCTAGGTTGTT CAGCTCCATAAAGACTGACAGCCAAA  
GAGGAGCTTCTGCAGACCTGAGGACCCATCTGATTGTGCACATAGCCCGAGTCCATGGCTATTGCAAGG  
TAATGACAGGGGAGACCTGCACCCGCTGGCCATCAAGCTTATGACCAACCTGGCCCTGGGGAGAGGGCGC  
CTTCTCGCTGGGACACGGGCTTCTCAGATGAGCGACACGGGGATGTGGTGTGGTGGAGGCCATGCGG  
GACCACACGCTGAAGGAAGTGGCCTTCTACAACCACCTGTTTAGAGTCCCCTCAGTCTTACACCAGCCA  
TCGATACCAAGGCTCCAGAAAAGGCTAGCATCCACCGGCTGATGGAGGCCTTTATCTGAGGCTACAGAC  
TCTGTTCCCGTCTACAGTCAGCACCGGTGTACAGGACGAGTGAGAAGCTGGTCAAAGCTCCCCGGGAGGGT  
TGTGCCGTGGCCCGTCAGGCCCCAGCTGCCTCCTGTGCATGTGTGCCCTGGACATTGACTGTGACA  
GTGCCACGGCCTTTGGGGCTCAGTCCTCCTCACATCTCTCCAGATGCCGAGTGTGAGGCTGGGATGCC  
TACCCAGCCCTGTGTGCTGCAGGGGAGGGT CAGGCCAGAGCTGCCATAGGGAAGTTGGCAAGAGGGGG  
GATGCACGGGCTGCATCACAGAGCAGTTATGTTATAGCTGCCGAGTGAACATGAAGGACCTGCCCTCCT  
TGGACCCATTGCCACCCTACGTCTTGTGAGGCTCAGCTCCGCAGCCAGAGGGGCTCGTCTCTGAGGA  
AATCCAGGAGTATCTGATTACAGATGAGGAGGAAGACAGCTGAGTCGTGCGGAGCCATGAAGCAGGAAGG  
CGAGGACAAAAGGATTGGTCTGTGACAGTCCGTTTGTATAAATAAAAATGTTTTACTTAGAAAAAAAAAAAA AAAAA
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Restriction Sites: RsrII-NotI



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ACCN:	NM_153775
Insert Size:	1284 bp
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:	BC036332 , AAH36332
RefSeq Size:	1685 bp
RefSeq ORF:	1284 bp
Locus ID:	66965
UniProt ID:	Q3U308
Cytogenetics:	8 E1
Gene Summary:	Plays a central role in 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). May act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thiocarboxylated URM1 onto the uridine of tRNAs at wobble position. [UniProtKB/Swiss-Prot Function]