

Product datasheet for **MC200380**

Ciao1 (NM_025296) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ciao1 (NM_025296) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ciao1
Synonyms: AW210570; Wdr39
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004089 sequence for NM_025296
 CCCACGCGTCCGATTTTGCAGAAGCTGTACATCTGACGGTCTCAAGTTCTATAGTGCCAGCGCGTTTG
 GCGCGTTGCTTCTCTCGGTGTGCTCTCCTTACCCTAAAACAGTCGCCATGAAAGATTCTCTGGTACTGCA
 GAGCCGCGTCCCGGCGCACCCGATTCCCGCTGCTGGTTCTGGCCTGGAACCCCTCGGGGACCCTGTTG
 GCTTCTCGCGAGGCGACCGTAAAATTCGCATCTGGGGCACCGAGGGTGACAGCTGGATTGCAAGTCTG
 TCCTTTCTGAAGGCCATCAGCGCACCGTTAGGAAAGTGGCCTGGTCCCCGTGTGGAAATTACCTGGCATC
 TGCCAGCTTTGATGCCACCACTTGATTTGGAAGAAGAACCAGGATGACTTTGAGTGTGTGACCACTCTT
 GAGGGCCATGAAATGAGGTCAAGTCAGTGGCTTGGGCCCATCTGGCAACCTCTGGCTACCTGCAGCA
 GAGATAAGAGCGTGTGGGTCTGGGAAGTTGATGAAGAGGATGAGTATGAGTGTGCAGTGCCTCAGCTC
 TCATACGCAGGATGTTAAGCACGTGGTTTGGCACCCGAGCCAGGAGCTTTTAGCTTCTGCTAGCTATGAT
 GACACAGTGAAGCTATACCAGGAAGAAGGGGATGACTGGGTCTGCTGTGCCACCCTCGAAGGTCATGAGT
 CCACTGTTTGGAGCATAGCCTTTGATCCCAGCGCCAGCGGCTGGCATCTTGCAGTGATACCCGAAGTGT
 ACGCATCTGGCGCCAGTATCTACCGGGCAATGAACAAGGGGTGGCATGCAGTGGCTCTGACCCAGCTGG
 AAATGTATCTGCACTTTGTCTGGGCTTCCACACCAGGACATTTACGACGTTGCTTGGTGTGAGCTGACAG
 GGGCCTTGGCTACAGCTTGTGGAGATGATGCCATCCGAGTGTGGAGGAAGACCCAGGCTCAGACCCACA
 GCAGCCACCTTCTCTGACAGCCATCTTCTGTCAGGCCATCCCAGGATGTCAACTGTGTGGCTTGG
 AATCCCAAGGAGCCAGGGCTCCTGGCCTTGTAGTGTGATGGGGAGGTAGCCTTCTGGGAGTATCACC
 AGCCTGCAGGTCTCTGAGCTATAGCTTGACTTGGGAGTCTTGATCCCACAGAAAACGTCCCTAAGACTTC
 TAGTCGTAAGAAGACCTGAAGCATCCTTGACCTTCATTTTGTCTCAGGACTATTCACTGTTTCCCTTCT
 TGATTATGAGGAAGCCATTGGAGAGAGCCACAGAACAGCAGTATATTGTATTAAGTTTTGCTTGTATTTA
 GGGCATGGTGTACATTTTGGGGTAAAATATATTTATAATCAATATATATGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_025296
Insert Size: 1020 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:	BC004089 , AAH04089
RefSeq Size:	1397 bp
RefSeq ORF:	1020 bp
Locus ID:	26371
UniProt ID:	Q99KN2
Cytogenetics:	2 61.86 cM
Gene Summary:	Key component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins (By similarity). As a CIA complex component, interacts specifically with CIAO2A or CIAO2B and MMS19 to assist different branches of iron-sulfur protein assembly, depending of its interactors. The complex CIAO1:CIAO2B:MMS19 binds to and facilitates the assembly of most cytosolic-nuclear Fe/S proteins. CIAO1:CIAO2A specifically matures ACO1 and stabilizes IREB2 (By similarity). Seems to specifically modulate the transactivation activity of WT1. As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation (By similarity).[UniProtKB/Swiss-Prot Function]