

Product datasheet for **RG207586**

CIAO1 (NM_004804) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CIAO1 (NM_004804) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CIAO1
Synonyms: CIA1; WDR39
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207586 representing NM_004804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGACTCGCTGGTGTCTGGGCCGTGCCGGCGCACCCGGACTCCCGTGTCTGGTTCTGGCCT
 GGAACCCCGGGGACCCTGTGGCCTCGTGCCGGCGACCGGAGAATCCGCATCTGGGGACGGAGGG
 TGACAGCTGGATCTGCAAGTCTGCCTTTCTGAAGGCCACCAGCGCACCGTGGGAAGGTAGCCTGGTCC
 CCCTGCGTAATTACCTGGCCTCTGCCAGCTTTGATGCTACCACTTGCATTTGGAAGAAGAACCAGGATG
 ACTTTGAGTGTGTAACCACTCTCGAGGGCCATGAAAATGAGGTCAAGTCAGTGGCTTGGGCCCATCTGG
 CAACCTCCTGGCCACTTGACGCCGAGATAAGAGCGTTTGGGTCTGGGAAGTTGATGAAGAGGATGAGTAT
 GAATGTGTCAAGTGTCTCAACTCCACACACAGGATGTCAAGCATGTGGTTTGGCACCAAGTCAGGAGC
 TCTTAGCTTCTGCCAGCTATGATGACACAGTGAAGCTGTACCGGGAGGAAGAGGATGACTGGGTATGCTG
 TGCCACCCCTTGAGGGCCATGAATCCACTGTGTGGAGCTTGGCCTTTGACCCGAGTGGCCAGCGCCTGGCG
 TCTTGTAGTGTGACCGTACTGTGCGTATCTGGCGTCAGTATCTACCAGGCAATGAACAAGGGGTGGCAT
 GCAGCGCTCTGACCCAGTTGAAATGTATCTGTACTTTGTCCGGCTTCACTCAAGGACCATTATGA
 CATTGCTTGGTGTGACAGTGTGACAGGGCTCTGGCCACAGCTTGTGGGATGACCGCATCCGCGTGTTCAG
 GAGGATCCCAACTCGGATCCACAGCAGCCACCTTCTCCCTGACAGCCCACTTGCATCAGGCCATTCCC
 AGGATGTCAACTGTGTGGCCTGGAACCCCAAGGAGCCAGGGCTACTGGCCTCTGCAGTGTATGAGGGA
 GGTGGCCTTCTGGAAGTATCAGCGGCCCTGAAGGCCTC

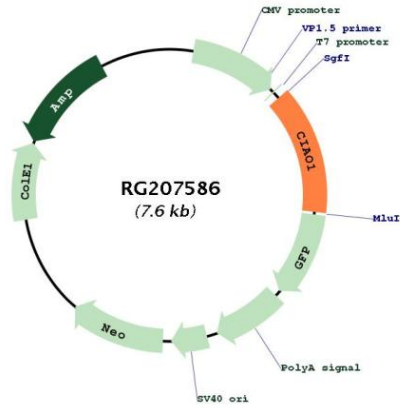
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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:	NM_004804.3
RefSeq Size:	4053 bp
RefSeq ORF:	1020 bp
Locus ID:	9391
UniProt ID:	O76071
Cytogenetics:	2q11.2
Domains:	WD40
Protein Families:	Transcription Factors
Gene Summary:	<p>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 (PubMed:17937914, PubMed:23891004). 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 (PubMed:23891004). Seems to specifically modulate the transactivation activity of WT1 (PubMed:9556563). As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation (PubMed:20797633). [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for RG207586