

# CIAO1 cDNA

Catalog Number: ATGD0410

## PRODUCT INFORMATION

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**Catalog number**

ATGD0410

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_004795.1

**Alternative Names**

CIA1, WDR39

**mRNA Refseq**

NM\_004804.2

**OMIM**

604333

**Chromosome location**

2q11.2

## PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

1020bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to Hind III. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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CIAO1 (Cytosolic Iron-Sulfur Assembly Component 1) is a 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. It seems to specifically modulate the transactivation activity of WT1.

## DATA

### Sequence nucleotides

```
ATGAAGGACTCGCTGGTGCTGCTGGGCCGTGTCCCGGCGCACCCGGACTCCCGCTGCTGGTTCCTGGCCTGGAACCCCGC
GGGGACCCTGCTGGCCTCGTGGCGGCGGCGACCGGAGAATCCGCATCTGGGGCACGGAGGGTGACAGCTGGATCTGCAAG
TCTGTCCTTTCTGAAGGCCACCAGCGCACCGTGCAGGAAGGTAGCCTGGTCCCCCTGCGGTAATTACCTGGCCTCTGCCAGC
TTTGATGCTACCACTTGCAATTTGGAAGAAGAACCAGGATGACTTTGAGTGTGTAACCACTCTCGAGGGCCATGAAAATGAGG
TCAAGTCAGTGGCTTGGGCCCATCTGGCAACCTCCTGGCCACTTGCAGCCGAGATAAGAGCGTTTGGGTCTGGGAAGTTG
ATGAAGAGGATGAGTATGAATGTGTGTCAGTGTCTCAACTCCCACACACAGGATGTCAAGCATGTGGTTTGGCACCCAAGTCA
GGAGCTCTTAGCTTCTGCCAGCTATGATGACACAGTGAAGCTGTACCGGGAGGAAGAGGATGACTGGGTATGCTGTGCCAC
CCTTGAGGGCCATGAATCCACTGTGTGGAGCTTGGCCTTTGACCCGAGTGGCCAGCGCCTGGCGTCTTGTAGTGATGACCG
TACTGTGCGTATCTGGCGTCAGTATCTACCAGGCAATGAACAAGGGGTGGCATGCAGCGGCTCTGACCCAGTTGGAAATG
TATCTGTACTTTGTCCGGCTTCCACTCAAGGACCATTTATGACATTGCTTGGTGTGTCAGCTGACAGGGGCTCTGGCCACAGCT
TGTGGGGATGACGCGATCCGCGTGTTCAGGAGGATCCCAACTCGGATCCACAGCAGCCCACCTTCTCCCTGACAGCCCAC
TTGCATCAGGCCATTCCAGGATGTCAACTGTGTGGCCTGGAACCCCAAGGAGCCAGGGCTACTGGCCTCCTGCAGTGAT
GATGGGGAGGTGGCCTTCTGGAAGTATCAGCGGCCTGAAGGCCTCTGA
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### Transaction Sequence

```
MKDSLVLVLLGR VPAHPDSRCW FLAWNPAAGTL LASCGRDRRI RIWGTEGDSW ICKSVLSEGH QRTVRKVAWS PCGNYLASAS
FDATTCIWKK NQDDFECVTT LEGHENEVKS VAWAPSGNLL ATCSRDKSVW VWEVDEEY ECVSVLNSHT
QDVKHVVWHP SQELLASASY DDTVLYREE EDDWVCCATL EGHESTVWSL AFDPSGQRLA SCSDDRTVRI
WRQYLPNEQ GVACSGSDPS WKCICTLSGF HSRTIYDIAW CQLTGALATA CGDDAIRVFQ EDPNSDPQP TFSLTAHLHQ
AHSQDVNCVA WNPKEPGLLA SCSDDGEVAF WKYQRPEGL
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