

CIAO1 cDNA

Catalog Number: ATGD0410

PRODUCT INFORMATION

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

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

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ATGAAGGACTCGCTGGTGCTGCTGGGCCGTGTCCCGGCGCACCCGGACTCCCGCTGCTGGTTCCTGGCCTGGAACCCCGC
GGGGACCCTGCTGGCCTCGTGCGGCGGCGACCGGAGAATCCGCATCTGGGGCACGGAGGGTGACAGCTGGATCTGCAAG
TCTGTCCTTTCTGAAGGCCACCAGCGCACCGTGCGGAAGGTAGCCTGGTCCCCCTGCGGTAATTACCTGGCCTCTGCCAGC
TTTGATGCTACCACTTGCAATTTGGAAGAAGAACCAGGATGACTTTGAGTGTGTAACCACTCTCGAGGGCCATGAAAATGAGG
TCAAGTCAGTGGCTTGGGCCCCATCTGGCAACCTCCTGGCCACTTGACGCCGAGATAAGAGCGTTTGGGTCTGGGAAGTTG
ATGAAGAGGATGAGTATGAATGTGTCACTGTTCTCAACTCCCACACACAGGATGTCAAGCATGTGGTTTGGCACCCAAGTCA
GGAGCTCTTAGCTTCTGCCAGCTATGATGACACAGTGAAGCTGTACCGGGAGGAAGAGGATGACTGGGTATGCTGTGCCAC
CCTTGAGGGCCATGAATCCACTGTGTGGAGCTTGGCCTTTGACCCGAGTGGCCAGCGCCTGGCGTCTTGTAGTGATGACCG
TACTGTGCGTATCTGGCGTCAGTATCTACCAGGCAATGAACAAGGGGTGGCATGCAGCGGCTCTGACCCAGTTGGAAATG
TATCTGTACTTTGTCCGGCTTCCACTCAAGGACCATTATGACATTGCTTGGTGTGAGCTGACAGGGGCTCTGGCCACAGCT
TGTGGGGATGACGCGATCCGCGTGTTCAGGAGGATCCCAACTCGGATCCACAGCAGCCACCTTCTCCCTGACAGCCAC
TTGCATCAGGCCCATCCAGGATGTCAACTGTGTGGCCTGGAACCCCAAGGAGCCAGGGCTACTGGCCTCCTGCAGTGAT
GATGGGGAGGTGGCCTTCTGGAAGTATCAGCGGCCTGAAGGCCTCTGA
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Transaction Sequence

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