

CHCHD3 cDNA

Catalog Number: ATGD0457

PRODUCT INFORMATION

Catalog number

ATGD0457

Product type

cDNA

Species

Human

NCBI Accession No.

NP_060282.1

Alternative Names

Mic19, MINOS3, PPP1R22

mRNA Refseq

NM_017812.2

OMIM

613748

Chromosome location

7q33

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

684bp

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 BamH I to Xho I. 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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CHCHD3 (Coiled-Coil-Helix-Coiled-Coil-Helix Domain Containing 3) is required for maintenance of mitochondrial crista integrity and mitochondrial function. It may act as a scaffolding protein that stabilizes protein complexes involved in crista architecture and protein import. It has also been shown to function as a transcription factor which binds to the BAG1 promoter and represses BAG1 transcription.

DATA

Sequence nucleotides

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ATGGGTGGGACCACCAGCACCCGCCGGGTACCTTCGAGGCGGACGAGAATGAGAACATCACCGTGGTGAAGGGCATCC
GGCTTTCGGAAAATGTGATTGATCGAATGAAGGAATCCTCTCCATCTGGTTCGAAGTCTCAGCGGTATTCTGGTGCTTATGG
TGCCTCAGTTTCTGATGAAGAATTGAAAAGAAGAGTAGCTGAGGAGCTGGCATTGGAGCAAGCCAAGAAAGAATCCGAAGA
TCAGAAACGACTAAAGCAAGCCAAAGAGCTGGACCGAGAGAGGGCTGCTGCCAATGAGCAGTTAACCCAGAGCCATCCTTC
GGGAGAGGATATGTAGCGAGGAGGAACGCGCTAAGGCCAAAGCACCTGGCTAGGCAGCTGGAAGAGAAAAGACCGAGTGCT
AAAGAAGCAGGATGCATTCTACAAAGAACAGCTGGCTAGACTGGAGGAGAGGAGCTCAGAGTTCTACAGAGTCACCACTGA
ACAATATCAGAAAAGCTGCTGAAGAGGTGGAAGCAAAGTTCAAGCGATATGAGTCTCATCCAGTCTGTGCTGATCTGCAGGC
CAAATTCCTCAGTGTTACCGTGAGAACACCCACCAGACCCTCAAATGCTCCGCTCTGGCCACCCAGTATATGCACTGTGTC
AATCATGCCAAACAGAGCATGCTTGAGAAGGGAGGATAA
```

Transaction Sequence

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MGGTTSTRRV TFEADENENI TVVKGIRLSE NVIDRMKESS PSGSKSQRYG GAYGASVSDE ELKRRVAEEL ALEQAKKESE
DQKRLKQAKE LDRERAAANE QLTRAILRER ICSEEERAKA KHLARQLEEK DRVLKKQDAF YKEQLARLEE RSSEFYRVTT
EQYQKAAEEV EAKFKRYESH PVCADLQAKI LQCYRENTHQ TLKCSALATQ YMHCNVNHAQ SMLEKGG
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