

ZWINT cDNA

Catalog Number: ATGD0463

PRODUCT INFORMATION

Catalog number

ATGD0463

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001005413.1

Alternative Names

HZWint-1, KNTC2AP, SIP30, ZWINT1

mRNA Refseq

NM_001005413.1

OMIM

609177

Chromosome location

10q21-q22

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

693bp

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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ZWINT is involved in kinetochore function although an exact role is not known. It interacts with ZW10, another kinetochore protein, possibly regulating the association between ZW10 and kinetochores. Alternatively spliced transcript variants encoding different isoforms have been found for this gene

DATA

Sequence nucleotides

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ATGGAGGCAGCGAGACAGAGGCGGAAGCTGCAGCCCTAGAGGTCCTGGCTGAGGTGGCAGGCATCTTGGAACCTGTAG
GCCTGCAGGAGGAGGCAGAACTGCCAGCCAAGATCCTGGTTGAGTTTGTGGTGGACTCTCAGAAGAAAGACAAGCTGCTC
TGCAGCCAGCTTCAGGTAGCGGATTTCTGCAGAACATCCTGGCTCAGGAGGACACTGCTAAGGGTCTCGACCCCTTGGCT
TCTGAAGACACGAGCCGACAGAAGGCAATTGCAGCTAAGGAACAATGAAAGAGCTGAAGGCCACCTACAGGGAGCACGT
AGAGGCCATCAAAATTGGCCTACCAAGGCCCTGACTCAGATGGAGGAAGCCCAGAGGAAACGGACACAACCTCCGGAAG
CCTTTGAGCAGCTCCAGGCCAAGAAACAAATGGCCATGGAGAAACGCAGAGCAGTCCAGAACCAGTGGCAGCTACAACAG
GAGAAGCATCTGCAGCATCTGGCGGAGGTTTCTGCAGAGGGTAAGCTGTTGTTCCCTGAGGCTGAGGCTGAGGCAGAGAA
TCTTCCAGATGATAAACCCAGCAGCCGACTCGACCCAGGAGCAGAGTACAGGAGACACCATGGGGAGAGACCCTGGTG
TGTCTTCAAGGCTGTTGGTCTACAACCTGCTGGAGATGTAAATTTGCCATGA
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Transaction Sequence

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MEAAETEAEE AALEVLAEEVA GILEPVGLQE EAELPAKILV EFVVD SQKKD KLLCSQLQVADFLQNILAQE DTAKGLDPLA
SEDTSRQKAI AAKEQWKELK ATYREHVEAI KIGLTKALTQMEEAQRKRTQ LREAFELQA KKQMAMEKRR AVQNQWQLQQ
EKHLQHLEEV SAEGKLLFPEAEAEENLPD DKPQQPTRPQ EQSTGDTMGR DPGVSFKAVG LQPAGDVNLP
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