

GINS2 cDNA

Catalog Number: ATGD0176

PRODUCT INFORMATION

Catalog number

ATGD0176

Product type

cDNA

Species

Human

NCBI Accession No.

NP_057179.1

Alternative Names

HSPC037, Pfs2, PSF2

mRNA Refseq

NM_016095.2

OMIM

610609

Chromosome location

16q24.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

558bp

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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The yeast heterotetrameric GINS complex is made up of Sld5 (GINS4; MIM 610611), Psf1 (GINS1; MIM 610608), Psf2, and Psf3 (GINS3; MIM 610610). The formation of this complex is essential for the initiation of DNA replication in yeast and *Xenopus* egg extracts

DATA

Sequence nucleotides

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ATGGACGCTGCCGAGGTCTGAATTCCTCGCCGAGAAGGAGCTGGTTACCATTATCCCCAACTTCAGTCTGGACAAGATCTAC
CTCATCGGGGGGGACCTGGGGCCTTTTAACCCTGGTTTACCCGTGGAAGTGCCCTGTGGCTGGCGATTAACCTGAAACAA
AGACAGAAATGTCGCCTGCTCCCTCCAGAGTGGATGGATGTAGAAAAGTTGGAGAAGATGAGGGATCATGAACGAAAGGA
AGAAACTTTTACCCCAATGCCCAGCCCTTACTACATGGAACCTACGAAGCTCCTGTTAAATCATGCTTCAGACAACATCCCGA
AGGCAGACGAAATCCGGACCCTGGTCAAGGATATGTGGGACACTCGTATAGCCAACTCCGAGTGTCTGCTGACAGCTTTG
TGAGACAGCAGGAGGCACATGCCAAGCTGGATAACTTGACCTTGATGGAGATCAACACCAGCGGGACTTTCCTCACACAAG
CGCTCAACCACATGTACAAACTCCGCACGAACCTCCAGCCTCTGGAGAGTACTCAGTCTCAGGACTTCTAG
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Transaction Sequence

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MDAAEVEFLA EKELVTIIPN FSLDKIYLIG GDLGPFNPGL PVEVPLWLAI NLKQRQKCRL LPPEWMDVEK LEKMRDHERK
EETFTPMPSP YYMELTKLLL NHASDNIPKA DEIRTLVKDM WDTRIAKLRV SADSFVRQQE AHAKLDNLTL MEINTSGTFL
TQALNHMYKL RTNLQPLEST QSQDF
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