

## **GINS2 cDNA**

Catalog Number: ATGD0176

### **PRODUCT INFORMATION**

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**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**

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**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**

## GIN52 cDNA

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The yeast heterotetrameric GINS complex is made up of Sld5 (GIN54; MIM 610611), Psf1 (GIN51; MIM 610608), Psf2, and Psf3 (GIN53; MIM 610610). The formation of this complex is essential for the initiation of DNA replication in yeast and *Xenopus* egg extracts

### DATA

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#### Sequence nucleotides

```
ATGGACGCTGCCGAGGTCTGAATTCCTCGCCGAGAAGGAGCTGGTTACCATTATCCCCAACTTCAGTCTGGACAAGATCTAC
CTCATCGGGGGGGACCTGGGGCCTTTTAACCCTGGTTTACCCGTGGAAGTGCCCTGTGGCTGGCGATTAACCTGAAACAA
AGACAGAAATGTCGCCTGCTCCCTCCAGAGTGGATGGATGTAGAAAAGTTGGAGAAGATGAGGGATCATGAACGAAAGGA
AGAAACTTTTACCCCAATGCCAGCCCTTACTACATGGAACCTTACGAAGCTCCTGTTAAATCATGCTTCAGACAACATCCCGA
AGGCAGACGAAATCCGGACCCTGGTCAAGGATATGTGGGACACTCGTATAGCCAACTCCGAGTGTCTGCTGACAGCTTTG
TGAGACAGCAGGAGGCACATGCCAAGCTGGATAACTTGACCTTGATGGAGATCAACACCAGCGGGACTTTCTCACACAAG
CGCTCAACCACATGTACAAACTCCGCACGAACCTCCAGCCTCTGGAGAGTACTCAGTCTCAGGACTTCTAG
```

#### Transaction Sequence

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