

### **GINS3 Blocking Peptide (C-term)**

Synthetic peptide Catalog # BP20401b

## **Specification**

### GINS3 Blocking Peptide (C-term) - Product Information

**Primary Accession** 

Q9BRX5

### GINS3 Blocking Peptide (C-term) - Additional Information

**Gene ID 64785** 

#### **Other Names**

DNA replication complex GINS protein PSF3, GINS complex subunit 3, GINS3, PSF3

#### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

## **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GINS3 Blocking Peptide (C-term) - Protein Information

Name GINS3 (HGNC:25851)

**Synonyms** PSF3

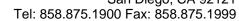
#### **Function**

Required for correct functioning of the GINS complex, a complex that plays an essential role in the initiation of DNA replication, and progression of DNA replication forks (PubMed:<a href="http://www.uniprot.org/citations/17417653" target="\_blank">17417653</a>, PubMed:<a href="http://www.uniprot.org/citations/28414293" target="\_blank">28414293</a>). GINS complex is a core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built (PubMed:<a href="http://www.uniprot.org/citations/32453425" target="\_blank">32453425</a>, PubMed:<a href="http://www.uniprot.org/citations/34694004" target="\_blank">34694004</a>, PubMed:<a href="http://www.uniprot.org/citations/34700328" target="\_blank">34700328</a>, PubMed:<a href="http://www.uniprot.org/citations/35585232" target="\_blank">35585232</a>).

#### **Cellular Location**

Nucleus. Chromosome. Note=Associates with chromatin







# GINS3 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides

GINS3 Blocking Peptide (C-term) - Images

GINS3 Blocking Peptide (C-term) - Background

The GINS complex plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. GINS complex seems to bind preferentially to single-stranded DNA.