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Mouse Gins1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21172a

Specification

Mouse Gins1 Blocking Peptide (C-term) - Product Information

Primary Accession Q9CZ15

Mouse Gins1 Blocking Peptide (C-term) - Additional Information

Gene ID 69270

Other Names
DNA replication complex GINS protein PSF1, GINS complex subunit 1, Gins1, Psf1

Target/Specificity
The synthetic peptide sequence is selected from aa 152-166 of HUMAN Gins1

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.

Mouse Gins1 Blocking Peptide (C-term) - Protein Information

Name Gins1

Synonyms Psf1

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. 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.

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q14691}. Chromosome {ECO:0000250|UniProtKB:Q14691}. Note=Associates with chromatin. {ECO:0000250|UniProtKB:Q14691}

Mouse Gins1 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

Mouse Gins1 Blocking Peptide (C-term) - Images

Mouse Gins1 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. GINS1 is essential for function (By similarity).

Mouse Gins1 Blocking Peptide (C-term) - References

Carninci P.,et al.Science 309:1559-1563(2005).