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ASK Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP7289b

Specification

ASK Blocking Peptide (C-term) - Product Information

Primary Accession Q9UBU7

ASK Blocking Peptide (C-term) - Additional Information

Gene ID 10926

Other Names
Protein DBF4 homolog A, Activator of S phase kinase, Chiffon homolog A, DBF4-type zinc finger-containing protein 1, DBF4, ASK, DBF4A, ZDBF1

Target/Specificity
The synthetic peptide sequence is selected from aa 586-601 of HUMAN DBF4

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.

ASK Blocking Peptide (C-term) - Protein Information

Name DBF4

Synonyms ASK, DBF4A, ZDBF1

Function
Regulatory subunit for CDC7 which activates its kinase activity thereby playing a central role in DNA replication and cell proliferation. Required for progression of S phase. The complex CDC7-DBF4A selectively phosphorylates MCM2 subunit at 'Ser-40' and 'Ser-53' and then is involved in regulating the initiation of DNA replication during cell cycle.

Cellular Location
Nucleus.

Tissue Location
Highly expressed in testis and thymus. Expressed also in most cancer cells lines.

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ASK Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

ASK Blocking Peptide (C-term) - Images

ASK Blocking Peptide (C-term) - Background

ASK is a regulatory subunit for CDC7 which activates its kinase activity thereby playing a central role in DNA replication and cell proliferation. It is required for progression of S phase. The complex CDC7-DBF4A selectively phosphorylates MCM2 subunit at 'Ser-40' and 'Ser-53' and then is involved in regulating the initiation of DNA replication during cell cycle.

ASK Blocking Peptide (C-term) - References

Nambiar,S.,Carcinogenesis 28 (12), 2501-2510 (2007)
Tsuji,T.,Mol. Biol. Cell 17 (10), 4459-4472 (2006)