

CASC5 Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP21540b**Specification**

CASC5 Blocking Peptide (C-Term) - Product InformationPrimary Accession [Q8NG31](#)**CASC5 Blocking Peptide (C-Term) - Additional Information****Gene ID** 57082**Other Names**

Protein CASC5, ALL1-fused gene from chromosome 15q14 protein, AF15q14, Bub-linking kinetochore protein, Blinkin, Cancer susceptibility candidate gene 5 protein, Cancer/testis antigen 29, CT29, Kinetochore-null protein 1, Protein D40/AF15q14, CASC5, KIAA1570, KNL1

Target/Specificity

The synthetic peptide sequence is selected from aa 2324-2337 of HUMAN CASC5

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.

CASC5 Blocking Peptide (C-Term) - Protein Information**Name** KNL1 ([HGNC:24054](#))**Synonyms** CASC5, KIAA1570**Function**

Performs two crucial functions during mitosis: it is essential for spindle-assembly checkpoint signaling and for correct chromosome alignment. Required for attachment of the kinetochores to the spindle microtubules. Directly links BUB1 and BUB1B to kinetochores. Part of the MIS12 complex, which may be fundamental for kinetochore formation and proper chromosome segregation during mitosis. Acts in coordination with CENPK to recruit the NDC80 complex to the outer kinetochore.

Cellular Location

Nucleus. Chromosome, centromere, kinetochore. Note=Weakly expressed in interphase nuclei. Expression increases from prophase to late anaphase, but greatly diminishes from the telophase and cytokinesis to early G1 phase of cell cycle

Tissue Location

Highly expressed in testis, where it is localized in germ cells, in particular in spermatocytes and in the pre-acrosome of round spermatids. Detected in the acrosome of ejaculated spermatozoa.

Detected in adult thymus, bone marrow, colon, small intestine, appendix and placenta, and in fetal liver and thymus

CASC5 Blocking Peptide (C-Term) - Protocols

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

- [Blocking Peptides](#)

CASC5 Blocking Peptide (C-Term) - Images**CASC5 Blocking Peptide (C-Term) - Background**

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CASC5 Blocking Peptide (C-Term) - References

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Takimoto M.,et al.Br. J. Cancer 86:1757-1762(2002).
Kuefer M.U.,et al.Oncogene 22:1418-1424(2003).
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