

CCDC155 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20386c**Specification**

CCDC155 Blocking Peptide (Center) - Product InformationPrimary Accession [Q8N6L0](#)**CCDC155 Blocking Peptide (Center) - Additional Information****Gene ID** 147872**Other Names**

Protein KASH5, Coiled-coil domain-containing protein 155, KASH domain-containing protein 5, CCDC155, KASH5

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.

CCDC155 Blocking Peptide (Center) - Protein Information**Name** KASH5 ([HGNC:26520](#))**Synonyms** CCDC155**Function**

As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Required for telomere attachment to nuclear envelope in the prophase of meiosis and for rapid telomere prophase movements implicating a SUN1/2:KASH5 LINC complex in which SUN1 and SUN2 seem to act at least partial redundantly. Required for homolog pairing during meiotic prophase in spermatocytes and probably oocytes. Essential for male and female gametogenesis. Recruits cytoplasmic dynein to telomere attachment sites at the nuclear envelope in spermatocytes. In oocytes is involved in meiotic resumption and spindle formation.

Cellular Location

Nucleus outer membrane {ECO:0000250|UniProtKB:Q80VJ8, ECO:0000305}; Single-pass type IV membrane protein; Cytoplasmic side. Nucleus {ECO:0000250|UniProtKB:Q80VJ8}. Chromosome, telomere {ECO:0000250|UniProtKB:Q80VJ8}. Note=Localized exclusively at telomeres from the

leptotene to diplotene stages. Colocalizes with SUN2 at sites of telomere attachment in meiocytes. At oocyte MI stage localized around the spindle, at MII stage localized to the spindle poles
{ECO:0000250|UniProtKB:Q80VJ8}

CCDC155 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

CCDC155 Blocking Peptide (Center) - Images

CCDC155 Blocking Peptide (Center) - Background

The function of this protein remains unknown.