



R Cask Blocking Peptide (Center)

Synthetic peptide Catalog # BP20487c

Specification

R Cask Blocking Peptide (Center) - Product Information

Primary Accession <u>Q62915</u> Other Accession <u>Q70589</u>, <u>Q14936</u>

R Cask Blocking Peptide (Center) - Additional Information

Gene ID 29647

Other Names

Peripheral plasma membrane protein CASK, Calcium/calmodulin-dependent serine protein kinase, Cask

Target/Specificity

The synthetic peptide sequence is selected from aa 604-616 of Rat Cask

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.

R Cask Blocking Peptide (Center) - Protein Information

Name Cask

Function

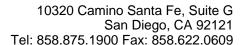
Multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. Contributes to neural development and

R Cask Blocking Peptide (Center) - Background

Multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. Contributes to neural development and regulation of gene expression via interaction with the transcription factor TRB1. Binds to cell-surface proteins, including amyloid precursor protein, neurexins, and syndecans. May mediate a link between the extracellular matrix and the actin cytoskeleton via its interaction with syndecan and with the actin/spectrin-binding protein 4.1.

R Cask Blocking Peptide (Center) - References

Hata Y., et al. J. Neurosci. 16:2488-2494(1996). Butz S., et al. Cell 94:773-782(1998). Hsueh Y.P., et al. Nature 404:298-302(2000). Tabuchi K., et al. J. Neurosci. 22:4264-4273(2002). Chetkovich D.M., et al. J. Neurosci. 22:6415-6425(2002).





regulation of gene expression via interaction with the transcription factor TBR1. Binds to cell-surface proteins, including amyloid precursor protein, neurexins, and syndecans. May mediate a link between the extracellular matrix and the actin cytoskeleton via its interaction with syndecan and with the actin/spectrin-binding protein 4.1. Component of the LIN-10-LIN-2-LIN-7 complex, which associates with the motor protein KIF17 to transport vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit NR2B along microtubules (By similarity).

Cellular Location

Nucleus. Cytoplasm. Cell membrane; Peripheral membrane protein

Tissue Location

Expressed in the foot process layer of podocytes in the kidney glomerulus and in tubules (at protein level). Detected in brain and neurons.

R Cask Blocking Peptide (Center) - Protocols

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

• Blocking Peptides