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R Cask Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20487c

Specification

R Cask Blocking Peptide (Center) - Product Information

Primary Accession	Q62915
Other Accession	O70589, O14936

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