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Mouse Cdk8 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21119a

Specification

Mouse Cdk8 Blocking Peptide (C-term) - Product Information

Primary Accession	Q8R3L8
Other Accession	P49336

Mouse Cdk8 Blocking Peptide (C-term) - Additional Information

Gene ID 264064

Other Names
Cyclin-dependent kinase 8, Cell division protein kinase 8, Mediator complex subunit CDK8, Mediator of RNA polymerase II transcription subunit CDK8, Cdk8

Target/Specificity
The synthetic peptide sequence is selected from aa 424-438 of HUMAN Cdk8

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.

Mouse Cdk8 Blocking Peptide (C-term) - Protein Information

Name Cdk8

Function
Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase

Mouse Cdk8 Blocking Peptide (C-term) - Background

Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAp II), which may inhibit the formation of a transcription initiation complex. Phosphorylates CCNH leading to down-regulation of the TFIIH complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation (By similarity).

Mouse Cdk8 Blocking Peptide (C-term) - References

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Carninci P.,et al.Science 309:1559-1563(2005).

II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional pre-initiation complex with RNA polymerase II and the general transcription factors. Phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAp II), which may inhibit the formation of a transcription initiation complex. Phosphorylates CCNH leading to down-regulation of the TFIIH complex and transcriptional repression. Recruited through interaction with MAML1 to hyperphosphorylate the intracellular domain of NOTCH, leading to its degradation (By similarity).

Cellular Location
Nucleus.

Mouse Cdk8 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides