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PPP2R2A Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20472a

Specification

PPP2R2A Blocking Peptide (N-term) - Product Information

Primary Accession	P63151
Other Accession	P36876, P63150, Q29090, Q6P1F6, Q4R7Z4

PPP2R2A Blocking Peptide (N-term) - Additional Information

Gene ID 5520

Other Names
Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform, PP2A subunit B isoform B55-alpha, PP2A subunit B isoform PR55-alpha, PP2A subunit B isoform R2-alpha, PP2A subunit B isoform alpha, PPP2R2A

Target/Specificity
The synthetic peptide sequence is selected from aa 58-71 of Human PPP2R2A

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.

PPP2R2A Blocking Peptide (N-term) - Protein Information

Name PPP2R2A

PPP2R2A Blocking Peptide (N-term) - Background

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.

PPP2R2A Blocking Peptide (N-term) - References

Mayer R.E., et al. Biochemistry 30:3589-3597(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Nusbaum C., et al. Nature 439:331-335(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Li H.H., et al. EMBO J. 26:402-411(2007).

Function
The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. Essential for serine/threonine-protein phosphatase 2A-mediated dephosphorylation of WEE1, preventing its ubiquitin-mediated proteolysis, increasing WEE1 protein levels, and promoting the G2/M checkpoint (PubMed:33108758).

Tissue Location
Expressed in all tissues examined.

PPP2R2A Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides