



### PPP2R2A Blocking Peptide (N-term)

Synthetic peptide Catalog # BP20472a

### **Specification**

PPP2R2A Blocking Peptide (N-term) - Product Information

Primary Accession <u>P63151</u>

Other Accession <u>P36876</u>, <u>P63150</u>,

<u>Q29090</u>, <u>Q6P1F6</u>, <u>Q4R7Z4</u>

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

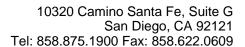
Name PPP2R2A

# 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:<a href="http://www.uniprot.org/citations/33108758" target="blank">33108758</a>).

#### **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