

### **DUSP14 Blocking Peptide (Center)**

Synthetic peptide Catalog # BP20179c

## **Specification**

**DUSP14 Blocking Peptide (Center) - Product Information** 

Primary Accession O95147
Other Accession O170M8,
NP 008957.1

DUSP14 Blocking Peptide (Center) - Additional Information

#### **Gene ID** 11072

#### **Other Names**

Dual specificity protein phosphatase 14, MKP-1-like protein tyrosine phosphatase, MKP-L, Mitogen-activated protein kinase phosphatase 6, MAP kinase phosphatase 6, MKP-6, DUSP14, MKP6

## **Target/Specificity**

The synthetic peptide sequence is selected from aa 91-105 of HUMAN DUSP14

#### **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.

**DUSP14 Blocking Peptide (Center) - Protein Information** 

Name DUSP14

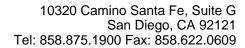
Synonyms MKP6

## DUSP14 Blocking Peptide (Center) - Background

Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP14 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).

## **DUSP14 Blocking Peptide (Center) - References**

Thye, T., et al. Nat. Genet. 42(9):739-741(2010)
Lountos, G.T., et al. Acta Crystallogr. D Biol. Crystallogr. 65 (PT 10), 1013-1020 (2009): Patterson, K.I., et al. Biochem. J. 418(3):475-489(2009)
Elass, E., et al. FEBS Lett. 582(3):445-450(2008)
Nyati, M.K., et al. Cancer Res. 66(24):11554-11559(2006)





## **Function**

Involved in the inactivation of MAP kinases. Dephosphorylates ERK, JNK and p38 MAP-kinases.

# **DUSP14 Blocking Peptide (Center) - Protocols**

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

• Blocking Peptides