SignalChem
Specialists in Signaling Proteins

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PAKtide

Synthetic peptide substrate

Catalog # P08-58
Lot # W235-3

Product Description

The 10 amino acids of PAKtide peptide (RRRLSFAEPG) contain a serine/threonine protein kinase phosphorylation site in a common seven-residue epitope (1, 2).

Molecular Weight

The theoretical molecular weight is 1188.4

Purity

The purity was determined to be more than 96.9% by HPLC analysis.

Formulation

1mg of peptide supplied as a lyophilized powder.

Storage and Stability

Store product at –20°C. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Reconstitution Protocol

Dilute peptide in 20mM Tris-HCl, pH 7.5 solution to a final concentration of 1mg/ml.

References

1. Heike ROSS et al: A non-radioactive method for the assay of many serine/threonine-specific protein kinases. Biochem. J. (2002) 366, 977-981.

2. Hao Wu et al: The Mechanism of p21-activated Kinase 2 Autoactivation. J. Biol. Chem., Vol. 278, Issue 43, 41768-41778, October 24, 2003

Related Kinases

PAKtide can be utilized as a substrate for the following active protein kinases.

Product Name	Catalog Number
PAK1, active	P02-18G

PAKtide

Synthetic peptide substrate

Catalog Number	P08-58
Quantity	1 mg
Specific Lot Number	W235-3
Purity	98.3%
Format	1 mg lyophilized powder
Stability	1yr at –20°C from date of shipment
Storage & Shipping	Store product at –20°C. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped at ambient temperature.