

Src/Lck Substrate



TECHNICAL SPECIFICATIONS

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Src/Lck Substrate Peptide Product #: SPK-105

Source

Synthetic peptide corresponding to amino acids 6-20 of p34^{cdc2} (KVEKIGEGTYGVVYK-amide)

Related Active Kinases

Active Src, product# PPK-460

Active Lck, product# PPK-430

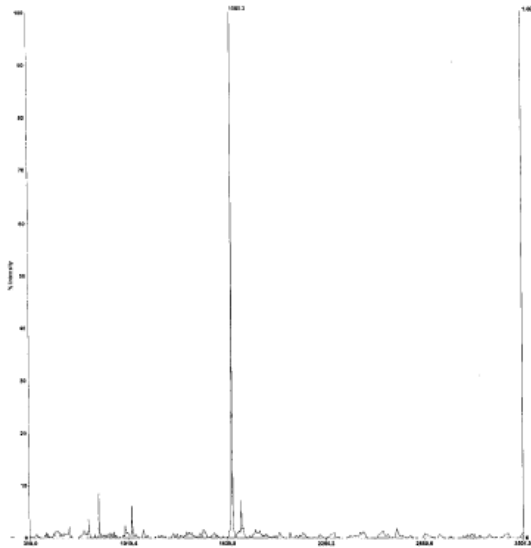
Sample Kinase Assay Protocol

- 5 µl Active Src (product# PPK-460) or Active Lck (product# PPK-430) (1:10 dilution)
- 5 µl Src/Lck substrate peptide (product# SPK-105) (1 mg/ml stock)
- 10 µl Assay dilution buffer (20 mM MOPS, pH 7.2, 12.5 mM β-glycerophosphate, 5 mM EGTA, 2 mM EDTA, 20 mM MgCl₂, 0.25 mM DTT, 5 µM β-methyl aspartic acid)
- 5 µl [³²P] ATP (250 µM stock, 166 nCi/µl)

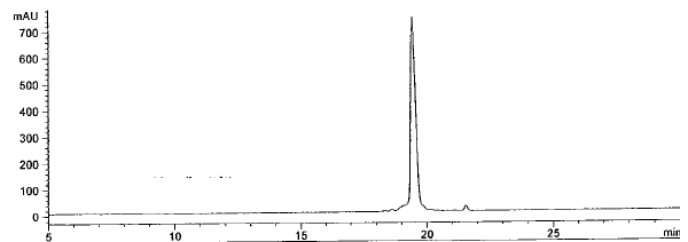
Incubate all components, except [³²P] ATP, at 30°C and then start the reaction by adding [³²P] ATP. After 15 minutes, terminate the reaction by spotting 20 µl of the reaction mixture onto phosphocellulose P81 paper. Dry the P81 paper and then wash several times in 1% phosphoric acid prior to counting in the presence of scintillation fluid in a scintillation counter.

*These working dilutions are provided as suggestions only. Each user should determine the optimal conditions for their own particular experiment.

Mass Spec Analysis



HPLC Purity Analysis



Rev: 10/13/04

CERTIFICATE OF ANALYSIS

Src/Lck Substrate

Product #: SPK-105

Size: 1mg

Lot #: B410468

Format: Purified synthetic Src/Lck substrate peptide, may contain TFA salt. This peptide is supplied as a lyophilized white powder.

Reconstitution Instructions: For a stock solution of 1 mg/ml reconstitute with 1mL of sterile kinase assay dilution buffer (20 mM MOPS, pH 7.2, 12.5 mM β-glycerophosphate, 5 mM EGTA, 2 mM EDTA, 20 mM MgCl₂, 0.25 mM DTT, 5 µM β-methyl aspartic acid).

Purity: This peptide is ≥95% pure as determined by HPLC analysis.

Theoretical Mass: 1669.0 Da

Mass Found: 1669.3 Da

STORAGE & SHIPPING: Store frozen product at or below -20°C. Thawed product may be stored for 2-4 weeks at 4°C. For optimal storage, aliquot to smaller portions and store at -20°C. Avoid repeated freeze/thaw cycles. For maximum product recovery, after thawing, centrifuge the product vial before removing cap. Shipped on gel packs.



FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES: This product is not to be used for diagnostic nor therapeutic purposes. By accepting this product, the user confirms that it will be used for research purposes only. Stressgen warrants that its products conform to the information published by Stressgen. Purchaser must determine the suitability of the product for their particular use. Please refer to the MSDS for product safety information.