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New England Biolabs Certificate of Analysis

Product Name: Casein Kinase II (CK2)

Catalog Number: P6010S
Concentration: 500,000 U/ml

Unit Definition: One unit is defined as the amount of CK2 required to catalyze the

transfer of 1 pmol of phosphate to CK2 Peptide Substrate,

RRRADDSDDDDD (100 µM), in 1 minute at 30°C in a total reaction

volume of 25 μl.

Packaging Lot Number: 10212151
Expiration Date: 06/2024
Storage Temperature: -80°C

Storage Conditions: 350 mM NaCl, 20 mM Tris-HCl, 2 mM DTT, 1 mM EDTA, 0.1 %

TritonX-100., (pH 7.5 @ 25°C)

Specification Version: PS-P6010S/L v1.0

Casein Kinase II (CK2) Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
P6010SVIAL	Casein Kinase II (CK2)	10195956	Pass	
B6022SVIAL	NEBuffer™ for Protein Kinases (PK)	10150858	Pass	

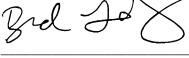
Assay Name/Specification	Lot # 10212151
Phosphatase Activity (pNPP) A 220 µl reaction in NEBuffer for Protein Kinases containing 50 mM p-Nitrophenyl Phosphate (pNPP) and a minimum of 5,000 units Casein Kinase II (CK2) incubated for 2 hours at 30°C yields no detectable phosphatase activity as determined by spectrophotometric analysis.	Pass
Protease Activity (SDS-PAGE) A 20 µl reaction in 1X NEBuffer for Protein Kinases containing 24 µg of a standard mixture of proteins and a minimum of 5,000 units of Casein Kinase II (CK2) incubated for 2 hours at 30°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	Pass

This product has been tested and shown to be in compliance with all specifications.

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Brad Landgraf Production Scientist 20 Jul 2023 Michael Tonello

Packaging Quality Control Inspector

06 Nov 2023

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