

New England Biolabs Certificate of Analysis

Product Name: Casein Kinase II (CK2)
Catalog Number: P6010L
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: 10055520
Expiration Date: 01/2021
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
P6010LVIAL	Casein Kinase II (CK2)	10062882	Pass
B6022SVIAL	NEBuffer™ for Protein Kinases (PK)	10056440	Pass

Assay Name/Specification	Lot # 10055520
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.



Alicia Bielik
Production Scientist
17 Jan 2020



Michael Tonello
Packaging Quality Control Inspector
21 Feb 2020