

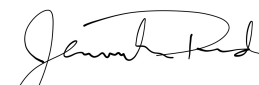
New England Biolabs Certificate of Analysis

Product Name: Casein Kinase II (CK2)
Catalog #: P6010S/L
Concentration: 500,000 units/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.
Lot #: 0161603
Assay Date: 03/2016
Expiration Date: 03/2017
Storage Temp: -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
Effective Date: 12 Feb 2016

Assay Name/Specification (minimum release criteria)	Lot #0161603
<p>Phosphatase Activity (pNPP) - A 220 μl reaction in NEBuffer for Protein Kinases containing 50 mM <i>p</i>-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.</p>	Pass
<p>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.</p>	Pass



Authorized by
Derek Robinson
12 Feb 2016



Inspected by
Jeremiah Read
21 Mar 2016

