NEW ENGLAND BioLabs Inc.
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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:	*10115892*
Expiration Date:	*07/2022*
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)	10115891	**Pass**
B6022SVIAL	NEBuffer™ for Protein Kinases (PK)	10119097	**Pass**

Assay Name/Specification	**Lot # 10115892**
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**
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**

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

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