

New England Biolabs Certificate of Analysis

Product Name: Histone H3.2 Human Recombinant
Catalog Number: M2506S
Concentration: 1 mg/ml
Unit Definition: N/A
Packaging Lot Number: 10084075
Expiration Date: 09/2022
Storage Temperature: -20°C
Storage Conditions: 300 mM NaCl, 20 mM NaPO₄, 1 mM DTT, 1 mM EDTA, (pH 7.0 @ 25°C)
Specification Version: PS-M2506S v1.0

Histone H3.2 Human Recombinant Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M2506SVIAL	Histone H3.2 Human, Recombinant	10084076	Pass

Assay Name/Specification	Lot # 10084075
Endonuclease Activity (Nicking) A 50 µl reaction in NEBuffer 2 containing 1 µg of supercoiled PhiX174 RF I DNA and a minimum of 10 µg of Histone H3.2 Human, Recombinant incubated for 4 hours at 37°C results in <10% conversion to RFII as determined by agarose gel electrophoresis.	Pass
Exonuclease Activity (Radioactivity Release) A 50 µl reaction in NEBuffer 2 containing 1 µg of a mixture of single and double-stranded [³ H] E. coli DNA and a minimum of 10 µg of Histone H3.2 Human, Recombinant incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Molecular Weight Determination (Mass Spectrometry) The molecular weight of Histone H3.2 Human, Recombinant is between 15,256.05 and 15,258.13 as determined by mass spectrometry analysis.	Pass
Protease Activity (Histones) A 12 µl reaction containing 7 µl of a standard mixture of proteins and a minimum of 5 µg of Histone H3.2 Human, Recombinant incubated for 4 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	Pass
Protein Purity Assay (SDS-PAGE) Histone H3.2 Human, Recombinant is ≥ 95% pure as determined by SDS-PAGE analysis	Pass

Assay Name/Specification	Lot # 10084075
using Coomassie Blue detection.	

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

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Fana Mersha
Production Scientist
06 Oct 2020



Michael Tonello
Packaging Quality Control Inspector
06 Oct 2020