Product Name: Histone H3.1/H4 Tetramer Human, Recombinant
Catalog Number: M2509S
Concentration: 10 µM
Unit Definition: N/A
Lot Number: 10047461
Expiration Date: 06/2020
Storage Temperature: -20°C
Storage Conditions: 2 M NaCl, 20 mM Tris-HCl, 1 mM DTT, 1 mM EDTA, (pH 8.0 @ 25°C)
Specification Version: PS-M2509S v1.0

Histone H3.1/H4 Tetramer Human, Recombinant Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2509SVIAL</td>
<td>Histone H3.1/H4 Tetramer Human, Recombinant</td>
<td>10047462</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification                                                                                       Lot # 10047461
Endonuclease Activity (Nicking)                                                                                   Pass
A 50 µl reaction in NEBuffer 2 containing 1 µg of supercoiled PhiX174 RF I DNA and a minimum of 10 µg of Histone H3.1/H4 Tetramer Human, Recombinant incubated for 4 hours at 37°C results in <10% conversion to RFII as determined by agarose gel electrophoresis.

Exonuclease Activity (Radioactivity Release)                                                                     Pass
A 50 µl reaction in NEBuffer 2 containing 1 µg of a mixture of single and double-stranded [³H] E. coli DNA and a minimum of 10 µg of Histone H3.1/H4 Tetramer Human, Recombinant incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.

Protease Activity (Histones)                                                                                    Pass
A 12 µl reaction containing 7 µl of a standard mixture of proteins and a minimum of 10 µg of Histone H3.1/H4 Tetramer 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.

Protein Purity Assay (SDS-PAGE)                                                                                  Pass
Histone H3.1/H4 Tetramer Human, Recombinant is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.

This product has been tested and shown to be in compliance with all specifications.
Fana Mersha  
Production Scientist  
17 Jun 2019

Josh Hersey  
Packaging Quality Control Inspector  
19 Jun 2019