Product Name: Histone H3.1/H4 Tetramer Human, Recombinant
Catalog Number: M2509S
Concentration: 10 µM
Unit Definition: N/A
Lot Number: 10049350
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 # 10049350
--- | ---
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 H3.1/H4 Tetramer 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 [ 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. | Pass |
Protease Activity (Histones) 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. | Pass |
Protein Purity Assay (SDS-PAGE) Histone H3.1/H4 Tetramer Human, Recombinant is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection. | Pass |

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