

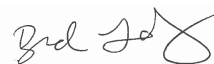
## New England Biolabs Certificate of Analysis

Product Name: *Amylose Resin High Flow*  
 Catalog #: *E8022S/L*  
 Lot #: *0151711*  
 Assay Date: *11/2017*  
 Expiration Date: *11/2020*  
 Storage Temp: *4°C*  
 Specification Version: *PS-E8022S/L v1.0*  
 Effective Date: *13 Apr 2018*

Assay Name/Specification (minimum release criteria)	Lot #0151711
<p><b>Functional Binding Assay (Resin Binding Capacity)</b> - Amylose Resin High Flow ( 1 ml ) was packed into a column and equilibrated with column buffer. Crude extract from <i>E. coli</i> containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein ( 8 ml ) was then passed through the column at 25°C, then washed with column buffer and the target protein eluted with 4 ml of column buffer containing 10 mM maltose. Binding capacity was determined to be &gt;4 mg MBP5*-paramyosinΔSal /ml of resin based on A280 of the eluate.</p>	<b>Pass</b>
<p><b>Functional Binding Assay (Resin Binding Specificity)</b> - Amylose Resin High Flow ( 1 ml ) was packed into a column and equilibrated with column buffer. Crude extract from <i>E. coli</i> containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein ( 8 ml ) was then passed through the column at 25°C, and then washed with column buffer. The target protein was eluted with 4 ml of column buffer containing 10 mM maltose. SDS-PAGE of the eluate on a 10-20% Tris-Glycine gel confirms low non-specific binding of extract proteins and high isolation of target.</p>	<b>Pass</b>



Authorized by  
Derek Robinson  
13 Apr 2018



Inspected by  
Brad Landgraf  
14 Dec 2017

