

New England Biolabs Certificate of Analysis

Product Name: *Amylose Resin High Flow*
 Catalog #: *E8022S/L*
 Lot #: *0151709*
 Assay Date: *09/2017*
 Expiration Date: *09/2020*
 Storage Temp: *4°C*
 Specification Version: *PS-E8022S/L v1.0*
 Effective Date: *13 Apr 2018*

Assay Name/Specification (minimum release criteria)	Lot #0151709
<p>Functional Binding Assay (Resin Binding Capacity) - 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 >4 mg MBP5*-paramyosinΔSal /ml of resin based on A280 of the eluate.</p>	Pass
<p>Functional Binding Assay (Resin Binding Specificity) - 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>	Pass



Authorized by
Derek Robinson
13 Apr 2018



Inspected by
Michael Sproviero
22 Sep 2017

