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New England Biolabs Certificate of Analysis

Product Name: Chitin Resin
Catalog Number: S6651S
Packaging Lot Number: 10083365
Expiration Date: 02/2023
Storage Temperature: 4°C

Specification Version: PS-S6651S/L v1.0

Chitin Resin Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S6651SVIAL	Chitin Resin	10066801	Pass

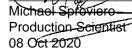
Assay Name/Specification	Lot # 10083365
Functional Binding Assay (Resin Binding Capacity) Chitin Resin (1 ml) was packed into a column and equilibrated with column buffer. Crude extract from E. coli containing a plasmid that expresses a SNAP-intein-chitin binding domain fusion protein (8 ml) was then passed through the column at 25°C, then washed with column buffer and the target protein eluted through cleavage of the fusion protein during overnight incubation with column buffer containing 50 mM DTT at 4°C. Binding capacity was determined to be >2 mg SNAP protein /ml of resin based on A280 of the eluate.	Pass
Functional Binding Assay (Resin Binding Specificity) Chitin Resin (1 ml) was packed into a column and equilibrated with column buffer. Crude extract from E. coli containing a plasmid that expresses a SNAP-intein-chitin binding domain fusion protein (8 ml) was then passed through the column at 25°C, and then washed with column buffer. The target protein was eluted through cleavage of the fusion protein during overnight incubation with column buffer containing 50 mM DTT at 4°C. 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.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



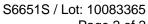
S6651S / Lot: 10083365



Michael Tonello

Packaging Quality Control Inspector

08 Oct 2020



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