

## New England Biolabs Certificate of Analysis

*Product Name:* IdeZ Protease (IgG-specific)  
*Catalog #:* P0770S  
*Concentration:* 80,000 units/ml  
*Unit Definition:* One unit is defined as the amount of enzyme required to cleave >95% of 1 µg of human IgG, in 15 minutes at 37°C in a total reaction volume of 10 µl.  
*Lot #:* 0031607  
*Assay Date:* 07/2016  
*Expiration Date:* 07/2018  
*Storage Temp:* -20°C  
*Storage Conditions:* 50 mM NaCl, 20 mM Tris-HCl, 1 mM EDTA, (pH 7.5 @ 25°C)  
*Specification Version:* PS-P0770S v1.0  
*Effective Date:* 16 Feb 2016

Assay Name/Specification (minimum release criteria)	Lot #0031607
<b>Protease Activity (Non-Specific, SDS-PAGE)</b> - A 20 µl reaction in 1X Glyco Buffer 2 containing 24 µg of a standard mixture of proteins and a minimum of 800 units of IdeZ Protease (IgG-specific) incubated for 20 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	<b>Pass</b>
<b>Protein Purity Assay (SDS-PAGE)</b> - IdeZ Protease (IgG-specific) is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	<b>Pass</b>



Authorized by  
Derek Robinson  
16 Feb 2016



Inspected by  
Alicia Bielik  
13 Jul 2016

