

## New England Biolabs Certificate of Analysis

**Product Name:** *IdeZ Protease (IgG-specific)*  
**Catalog Number:** *P0770S*  
**Concentration:** *80,000 U/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 Number:** *10036888*  
**Expiration Date:** *03/2021*  
**Storage Temperature:** *-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*

IdeZ Protease (IgG-specific) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0770SVIAL	IdeZ Protease (IgG-specific)	10036890	Pass
B3704SVIAL	10X GlycoBuffer 2	10029303	Pass

Assay Name/Specification	Lot # 10036888
<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.	Pass
<b>Protein Purity Assay (SDS-PAGE)</b> IdeZ Protease (IgG-specific) 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.



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Brad Landgraf  
Production Scientist  
12 Dec 2018



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Michael Tonello  
Packaging Quality Control Inspector  
08 Mar 2019