

Molecular Innovations, Inc.

46430 Peary Ct.

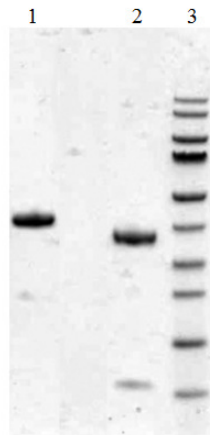
Novi, MI 48377

TEL: (248) 896-0142

FAX: (248) 896-0148

Web Site: <http://www.mol-innov.com>

Certificate of Analysis



4-12% SDS-PAGE - GelCode Blue Stain

1 Mouse Thrombin (3 ug) NR

2 Mouse Thrombin (3 ug) R

3 Molecular Weight Markers

Product: Mouse Thrombin

Date: February, 2014

Lot: MTHROM-3238

Molecular Weight: 36,700

Physical Specifications:

Physical Appearance: colorless frozen solution

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.58 $\epsilon^{0.1\%} = 1.83$

Concentration = 1.41 mg/mL

Activity: 3005 NIH u/mg

Considerations:

Storage Conditions: Store frozen at -20°C – stability > 1yr

Buffer Composition: 0.05M Na Citrate; 0.2M NaCl; 0.1% PEG-8000; pH 6.5

Other: > 95% pure by SDS PAGE

Prepared from purified mouse prothrombin by activation with Saw Scaled Viper Venom. This venom is removed after activation.

Complete activation was observed on SDS-PAGE. Activity is measured in a thrombin specific clotting assay, and compared to standardized NIH thrombin.

Duane E. Day

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