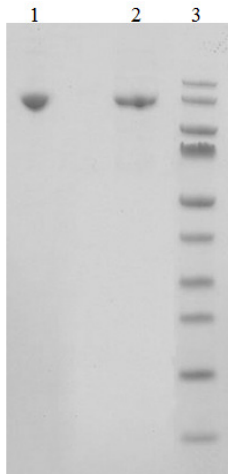


## Molecular Innovations, Inc.

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# Certificate of Analysis



1. Human Single Chain HMW Kininogen (3 ug) NR
2. Human Single Chain HMW Kininogen (3 ug) R
3. Molecular Weight Markers

**Product:** Human Single Chain HMW Kininogen – HK-HMW

**Date:** 3 March 2014

**Lot:** HK-HMW-3290

**Molecular Weight:** 120,000 by SDS PAGE

### Physical Specifications:

Physical Appearance: colorless frozen solution

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.542       $\epsilon^{0.1\%} = 0.701$   
Concentration = 2.2 mg/mL

### Considerations:

Purified from Human plasma that was tested and found negative by FDA accepted methods for Anti-HIV1/2, Anti-HTLV I & II, HBsAg, Anti-HCV, Syphilis, HBC Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA and HBV RNA. Donors are screened for CJD (Creutzfeldt-Jakob Disease).

Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 0.004M Sodium Acetate; 0.15M NaCl; pH 5.3

Other: > 95% pure by SDS PAGE, > 95% single chain

*Duane E. Day*

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