

Molecular Innovations, Inc.

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Certificate of Analysis

Product: Human Vitronectin – (monomeric/non-denatured) - HVN

Date: June 2003

Lot: DM-603

Molecular Weight: 75,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.0 $\epsilon^{0.1\%} = 1.0$
Concentration = 1.0 mg/mL
Active Concentration = 1.0mg/mL

Description:

Excellent choice for cell culture studies. Prepared by non-denaturing methods.

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; pH 7.4
Other: > 98% pure by SDS PAGE

References:

Tomasini BR & Mosher DF. Conformational states of vitronectin: preferential expression of an antigenic epitope when vitronectin is covalently and noncovalently complexed with thrombin-antithrombin III or treated with urea. *Blood*. 72: 903-912, 1988.

Bittorff SV et al. Alteration of vitronectin. Characterization of changes induced by treatment with urea. *J Biol Chem*. 268(33): 24838-46, 1993.

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