



CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

Product: E-Cadherin (CD324), Human, Solution

Supplier	Advanced BioMatrix, Inc.
Supplier Catalog No.	5085
Supplier Location	California, USA
Name/Grade	E-Cadherin (CD324), Human, Solution
Animal Origin (including human)	
-Animal Species	Not applicable
-Tissue Origin	Not applicable
-County of Origin	Not applicable
Non-animal Source of Origin	
-Country of Origin	United States
Animal Origin Material Adventitious Agent Risk Reduction Steps	Not applicable
Method of Manufacturing	Recombinant and protein expression
Briefly describe Method of Manufacturing	Recombinant human E-Cadherin gene (155-710 aa Fragment) was constructed with codon optimization and expressed in non-fusion protein form in E. coli as inclusion bodies. The final product was refolded using a unique "temperature shift inclusion body refolding" technology and chromatographically purified.

The above information has been completed by an authorized representative of management and is complete and correct to my knowledge.

President

October 27, 2017

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