

## Product Specification Sheet

**Recombinant Human Vitronectin**

Cat.Nr.:	<b>AMS.VN100</b>	<b>AMS.VN1000</b>
Sizes:	100 µg	1000 µg
Description:	<p>Vitronectin is a multifunctional glycoprotein present in blood and in the extra-cellular matrix. The complete open reading frame encodes for 459 amino acids which are preceded by a 19 amino acid signal peptide. It contains three glycosylation sites and its carbohydrate moiety contributes about 30% to this molecular mass.</p> <p>Vitronectin is an important participant in a large variety of biological functions. These include cell attachment, spreading and migration, blood coagulation, plasminogen activation, fibrinolysis, and the regulation of complement function.</p>	
Source:	<ul style="list-style-type: none"> <li>- original full-length DNA sequence for hn vitronectin; aa D20-L478</li> <li>- produced serum free in HEK 293 cells</li> <li>- purified from the culture supernatant</li> </ul>	
Purification:	by affinity chromatography	
Formulation:	<ul style="list-style-type: none"> <li>- liquid in 20 mmol Tris, 200 mmol NaCl, pH 7,2</li> <li>- sterile filtered -</li> </ul>	
Purity:	<p>&gt;95% SDS-PAGE</p> <p>monomer with 75 kDa, dimer with 140 kDa, multimer &gt; 800 kDa</p>	
Identity:	ELISA	
Activity:	tested in a cell attachment assay	
Stability:	<p>at least 12 months at -20<sup>0</sup> C</p> <p>avoid repeated freeze/thaw cycles when dissolved</p>	
Usage:	laboratory reagent - not to be used as a diagnostic product or for administration to humans or used for any drug purposes	
Literature:	<p>Seger D., Shaltiel S. (2000) FEBS Lett. 480, 169-174</p> <p>Schwartz I. et al. (1999) IJBCB 31, 539-544</p> <p>Suzuki S. et al. (1985) EMBO J. 4, 2519-2524</p>	

AMSBIO | [www.amsbio.com](http://www.amsbio.com) | [info@amsbio.com](mailto:info@amsbio.com)

**AMSBIO LLC**  
USA & Canada   
1035 Cambridge Street,  
Cambridge, MA 02141  
T: +1 (617) 945-5033 or  
T: +1 (800) 987-0985  
F: +1 (617) 945-8218

**AMSBIO Europe BV**  
EU   
Berenkoog 41,  
1822 BH Alkmaar,  
Netherlands  
T: +31 (0) 72 8080244  
F: +31 (0) 72 8080142

**AMS Biotechnology (Europe) Ltd**  
UK & Rest of the World   
184 Park Drive, Milton Park  
Abingdon OX14 4SE  
T: +44 (0) 1235 828 200  
F: +44 (0) 1235 820 482

**AMS Biotechnology (Europe) Ltd**  
Switzerland   
Via Lisano 3,  
(CP.683)  
CH-6900 Massagno  
T: +41 (0) 91 604 55 22  
F: +41 (0) 91 605 17 85

**AMSBIO Europe BV**  
Deutschland   
T: +49 (0) 69 779099  
F: +49 (0) 69 13376880