

Product Specification Sheet

Recombinant Human Vitronectin

Cat.Nr.:	AMS.VN100	AMS.VN1000
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"> - original full-length DNA sequence for hn vitronectin; aa D20-L478 - produced serum free in HEK 293 cells - purified from the culture supernatant 	
Purification:	by affinity chromatography	
Formulation:	<ul style="list-style-type: none"> - liquid in 20 mmol Tris, 200 mmol NaCl, pH 7,2 - sterile filtered - 	
Purity:	<p>>95% SDS-PAGE</p> <p>monomer with 75 kDa, dimer with 140 kDa, multimer > 800 kDa</p>	
Identity:	ELISA	
Activity:	tested in a cell attachment assay	
Stability:	<p>at least 12 months at -20⁰ 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>	

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