

**PRODUCT INFORMATION**

<b>Target</b>	Vitronectin
<b>Synonyms</b>	Complement S-protein;epibolin;Serum Spreading Factor;Serum-spreading factor;Somatomedin B;S-protein;V75;Vitronectin;VN;VNT;VTN
<b>Description</b>	Recombinant Human Vitronectin is produced by our Mammalian expression system and the target gene encoding Val62-Leu478 is expressed with a 6His tag at the C-terminus.
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	AAH05046.1
<b>Expression Host</b>	HEK293
<b>Tag</b>	N-Truncated, C-6×His Tag
<b>Molecular Characterization</b>	Not available
<b>Molecular Weight</b>	48.3 KDa
<b>Purity</b>	Greater than 90% as determined by reducing SDS-PAGE.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	Vitronectin, also known as VTN, is a large glycoprotein found in blood and the extracellular matrix (ECM). Vitronectin is a plasma glycoprotein implicated as a regulator of diverse physiological process, including blood coagulation, fibrinolysis, pericellular proteolysis, complement dependent immune responses, and cell attachment and spreading. Blocking of Hic(a member of the pneumococcal surface protein C (PspC) family) by specific antiserum or genetic deletion significantly reduced pneumococcal binding to soluble and immobilised vitronectin and to Factor H, respectively. In addition, Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



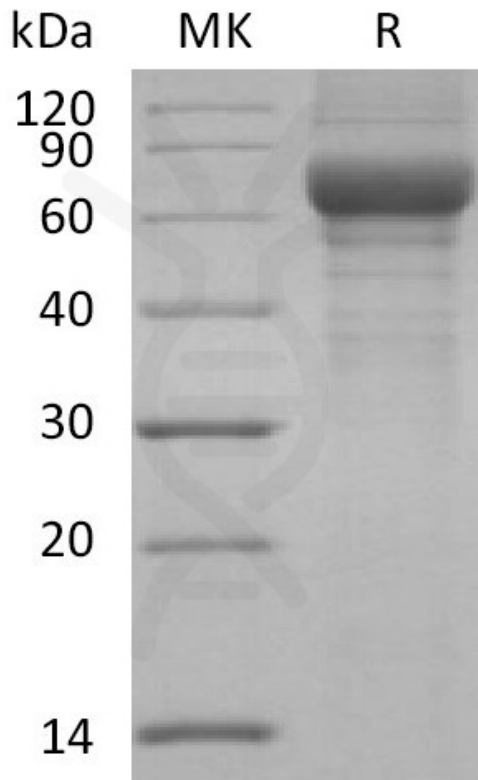


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

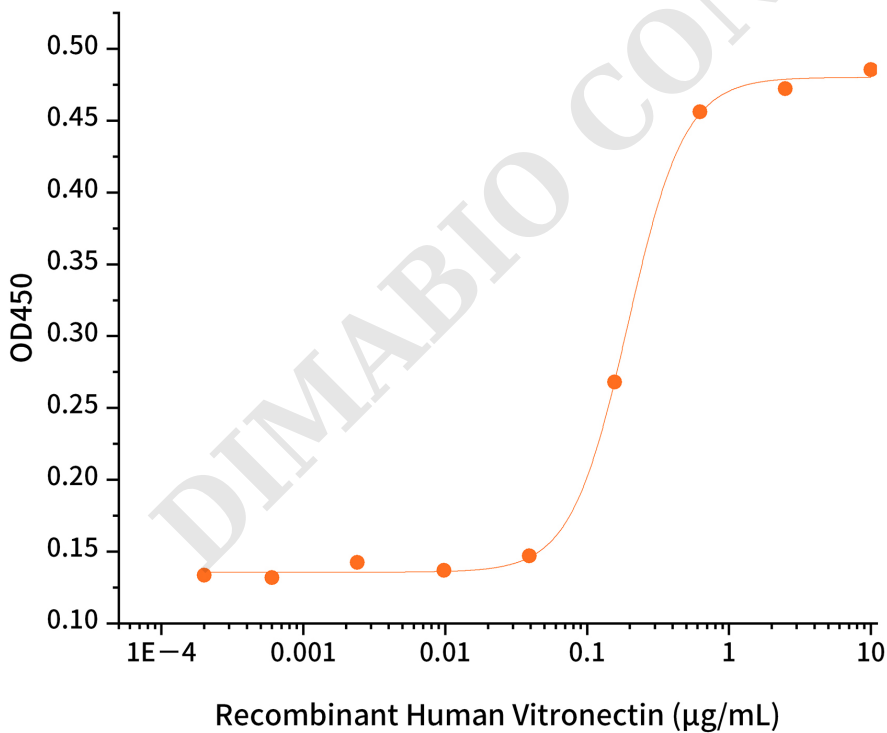


Figure 2. Measured by its ability to support iPS cell attachment and spreading when used as a substratum for cell culture. The ED50 for this effect is 0.19 µg/mL.(Regularly tested)

