

Datasheet for ABIN7198705

**Vitronectin Protein (VTN) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Vitronectin (VTN)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Vitronectin protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Vitronectin/VTN Protein (His Tag)(Active)
Sequence:	Met 1-Lys 478
Characteristics:	A DNA sequence encoding the mouse vitronectin (NP_035837.1) (Met 1-Lys 478) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 94 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of DU145 human prostate carcinoma cells. When cells are added to mouse Vitronectin coated plates (10 µg/mL and 100 µL/well), > 60% cells will adhere specifically after 30 minutes at 37 °C.

## Target Details

Target:	Vitronectin (VTN)
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## Target Details

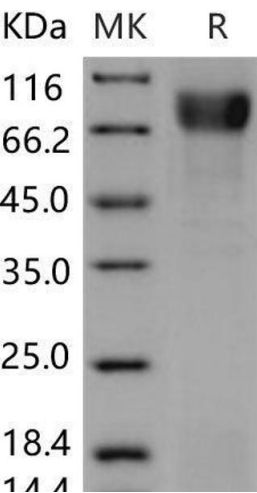
Alternative Name:	Vitronectin/VTN ( <a href="#">VTN Products</a> )
Background:	<p>Background: Vitronectin, also known as VTN, is a member of the pexin family. It is an abundant glycoprotein found in serum the extracellular matrix and promotes cell adhesion and spreading. Vitronectin is a secreted protein and exists in either a single chain form or a cleaved, two chain form held together by a disulfide bond. 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. Because of its ability to bind platelet glycoproteins and mediate platelet adhesion and aggregation at sites of vascular injury, vitronectin has become an important mediator in the pathogenesis of coronary atherosclerosis. As a multifunctional protein with a multiple binding domain, Vitronectin interacts with a variety of plasma and cell proteins. Vitronectin binds multiple ligands, including the soluble vitronectin receptor. It may be an independent predictor of adverse cardiovascular outcomes following acute stenting. Accordingly, Vitronectin is suggested to be involved in hemostasis, cell migration, as well as tumor malignancy.</p> <p>Synonym: AI256434,Vn</p>
Molecular Weight:	54.2 kDa
NCBI Accession:	<a href="#">NP_035837</a>
Pathways:	<a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.