

Datasheet for ABIN7596194

Vitronectin Protein (VTN) (AA 20-478) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	Vitronectin (VTN)
Protein Characteristics:	AA 20-478
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Vitronectin protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	DQESCKG RCTEGFNVDK KCQCDELCSY YQSCCTDYTA ECKPQVTRGD VFTMPED EYT VYDDGEEKNN ATVHEQVGGP SLTSDLQAQS KGNPEQTPVL KPEEEAPAPE VGASKPEGID SRPETLHPGR PQPPAEEELC SGKPFDAFTD LKNGSLFAFR GQYCYELDEK AVRPGYPKLI RDVWGIEGPI DAAFRINCQ GKTYLFKGSQ YWRFEDGVLD PDYPRNISDG FDGIPDNVDA ALALPAHSYS GRERVYFFKG KQYWEYQFQH QPSQEECEGS SLSAVFEHFA MMQRDSWEDI FELLFWGRTS AGTRQPQFIS RDWHGVPGQV DAAMAGRIYI SGMAPRPSLA KKQRFRRHRNR KGYRSQRGHS RGRNQNSRRP SRATWLSLFS SEESNLGANN YDDYRMDWL V PATCEPIQSV FFFSGDKYYR VNLRTTRVDT VDPYPYRSIA QYWLGC PAPG HL
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 0.1 EU per 1µg of protein (determined by LAL method)

Product Details

Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of B16-F1 mouse melanoma cells. When cells are added to human VTN coated plates 5 ug/ml. This effect is more to 50%.
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Target Details

Target:	Vitronectin (VTN)
Alternative Name:	Vitronectin (VTN Products)
Background:	Vitronectin, also known VTN, is a member of the pexin family. It is a cell adhesion and spreading factor found in serum and tissues. This protein interacts with glycosaminoglycans and proteoglycans and is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. It also contains endogenous cleavage sites such as elastase, thrombin and plasmin. This protein binds multiple ligands, including the soluble vitronectin receptor which affects multi-function. Therefore, it is involved in hemostasis, cell migration, as well as tumor malignancy. Recombinant human Vitronectin protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	53.3 kDa (468aa)
NCBI Accession:	NP_000629
Pathways:	Autophagy , Smooth Muscle Cell Migration

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.