Datasheet for ABIN7454232

Vitronectin Protein (VTN) (AA 20-478) (His tag)

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Overview

Quantity:	100 µg
Target:	Vitronectin (VTN)
Protein Characteristics:	AA 20-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vitronectin protein is labelled with His tag.

Product Details

Purpose:	Human Vitronectin Protein
Sequence:	Asp20-Leu478
Characteristics:	Recombinant Human Vitronectin Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Asp20-Leu478.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Vitronectin, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse ITGAV&ITGB3, His Tag with the EC50 of 0.30µng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	Vitronectin (VTN)
Alternative Name:	Vitronectin (VTN Products)
Background:	Vitronectin is a multifunctional glycoprotein present in blood and in the extracellular matrix. It binds glycosaminoglycans, collagen, plasminogen and the urokinase-receptor, and also stabilizes the inhibitory conformation of plasminogen activation inhibitor-1.
Molecular Weight:	53.37 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
UniProt:	P04004
Pathways:	Autophagy, Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months