

Recombinant Human vitronectin Protein, His-tagged

Cat. No. VTN-21H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VTN Protein (62-398aa) with His-tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	62-398aa
Description	The protein encoded by this gene functions in part as an adhesive glycoprotein. Differential expression of this protein can promote either cell adhesion or migration as it links cells to the extracellular matrix through a variety of ligands. These ligands include integrins, plasminogen activator inhibitor-1, and urokinase plasminogen activator receptor. This secreted protein can be present in the plasma as a monomer or dimer and forms a multimer in the extracellular matrix of several tissues. This protein also inhibits the membrane-damaging effect of the terminal cytolytic complement pathway and binds to several serpin serine protease inhibitors. This protein can also promote extracellular matrix degradation and thus plays a role in tumorigenesis. It is involved in a variety of other biological processes such as the regulation of the coagulation pathway, wound healing, and tissue remodeling. The heparin-binding domain of this protein give it anti-microbial properties. It is also a lipid binding protein that forms a principal component of high density lipoprotein.
Tag	His

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Form	Liquid
Endotoxin	≤0.25 EU/mg by the LAL method
Purity	> 90 % by SDS-PAGE
Applications	Vitronectin is commonly used in cell culture to enhance the adhesion, proliferation, and differentiation of human embryonic stem cells (hESCs) and induced pluripotent stem cells (iPSCs). It provides a supportive environment by interacting with integrin receptors, crucial for maintaining pluripotency and guiding differentiation.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	VTN vitronectin [Homo sapiens (human)]
Official Symbol	VTN
Synonyms	VTN; vitronectin; vitronectin (serum spreading factor, somatomedin B, complement S protein); complement S protein; serum spreading factor; somatomedin B; VN; epibolin; S-protein; complement S-protein; serum-spreading factor; V75; VNT
Gene ID	7448
mRNA Refseq	NM_000638
Protein Refseq	NP_000629
MIM	193190

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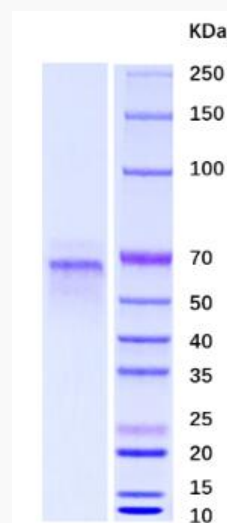
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UniProt ID

P04004

SDS-PAGE

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