

Active Recombinant Human VTN protein

Cat. No. VTN-892H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VTN was expressed in HEK293.
Species	Human
Source	HEK293
Form	Sterile filtered through a 0.2 micron filter. Lyophilized from 20 mM Sodium Phosphate, pH 7.5.
Bio-activity	Recombinant Human Vitronectin promotes attachment of hESC and iPSC in serum-free, feeder conditions at 5 ug/ml.
AA Sequence	DQESCKGRCT EGFNVDKKCQ CDELCSYYQS CCTDYTAECK PQVTRGDVFT MPEDEYTVYD DGEEKNNATV HEQVGGPSLT SDLQAQSKGN PEQTPVLKPE EEAPAPEVGA SKPEGIDSRP ETLHPGRPQP PAEEELCSGK PFDAFTDLKN GSLFAFRGQY CYELDEKAVR PGYPKLIRDV WGIEGPIDAA FTRINCQGKT YLFGKSQYWR FEDGVLDPDY PRNISDGFDFG IPDNVDAALA LPAHSYSGRE RVYFFKGKQY WEYQFQHQPQ QEECEGSSLS AVFEHFAMMQ RDSWEDIFEL LFWGRTSAGT RQPQFISRWD HGVPQVDAAG MAGRIYISGM APRPSLAKKQ RFRHRNRKGY RSQRGHSRGR NQNSRRPSRA TWLSLFSSEE SNLGANNYDD YRMDWLVPAT CEPIQSVFFF SGDKYYRVNL RTRRVDTVDP PYPRSIAQYW LGCPAPGHL
Endotoxin	Less than 0.1ng/ug of protein.

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Purity	>95% as determined by SDS-PAGE and HPLC analyses.
Storage	Store at -20 centigrade.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein(example 0.1% BSA) and store in working aliquots at -20 centigrade to -80 centigrade.

GENE INFORMATION

Gene Name	VTN vitronectin [Homo sapiens]
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
UniProt ID	P04004
Chromosome Location	17q11.2

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Function

extracellular matrix binding; heparin binding; integrin binding; polysaccharide binding;
scavenger receptor activity;

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