

## Active Recombinant Human VTN protein

**Cat. No.** VTN-239H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Vitronectin gene (20-398 aa Fragment) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	20-398 a.a.
<b>Form</b>	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
<b>Bio-activity</b>	Functional Test: Each lot was tested with human ES cell (H1) culture using 5-10 g in 1 ml Nutristem medium per well (6-well plate).
<b>AA Sequence</b>	<p>MDQESCKGRCTEGFNVDKCCQDELCSYYQSCCTDYTAECKPQVTRGDVFTMPE  DEYTVYDDGEEKNNATVHEQV GGPSLTSDLQAQSKGNPEQTPVLKPEEEAPAPEV  GASKPEGIDSRPETLHPGRPQPPAEEELCSGKPFDAFTDLK NGSLFAFRGQYCYEL  DEKAVRPGYPKLIRDVWGIEGPIDAAFTRINCQGKTYLFKGSQYWRWFEDGVLDPDYP  RNI SDGFDGIPDNVDAALALPAHSYSGRERVYFFKKGKQYWEYQFQHQPSQEECEG  SSLSAVFEHFAMMQRDSWEDIFE LLFWGRTSAGTRQPQFISRDWHGVPGQVDAA  MAGRIYISGMAPRPSLAKKQRFHRNRKGYRSQRGHSRGRNQNS RRPSR</p>
<b>Purity</b>	>95% by SDS-PAGE.

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**Applications**

1. As coating matrix protein for maintaining long-term ES or iPS cell culture before combining with E8 culture medium. 2. As an excellent coating matrix material of 11R-tagged recombinant TF intracellular delivery for protein derived iPS protocol with extremely low-level non-specific interaction.

**Storage**

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

## 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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**Pathway**

ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; FOXA1 transcription factor network, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Inflammatory Response Pathway, organism-specific biosystem;

**Function**

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

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