

Active Recombinant Human VTN protein

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

SPECIFICATION

Product Overview	Recombinant human Vitronectin gene (20-398 aa Fragment) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	20-398 a.a.
Form	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.
Bio-activity	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).
AA Sequence	MDQESCKGRCTEGFNVDKKCQCDELCSYYQSCCTDYTAECKPQVTRGDVFTMPE DEYTVYDDGEEKNNATVHEQV GGPSLTSDLQAQSKGNPEQTPVLKPEEEAPAPEV GASKPEGIDSRPETLHPGRPQPPAEEELCSGKPFDAFTDLK NGSLFAFRGQYCYEL DEKAVRPGYPKLIRDVWGIEGPIDAAFRINCQGKTYLFKGSQYWRFEDGVLDPDYP RNI SDGFDGIPDNVDAALALPAHSYSGRERVYFFKGKQYWEYQFQHQPSQEECEG SSLSAVFEHFAMMQRDSWEDIFE LLFWGRTSAGTRQPQFISRDWHGVPGQVDAA MAGRIYISGMAPRPSLAKKQRFHRNRKGYRSQRGHSRGRNQNS RRPSR
Purity	>95% by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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