

VTN, 20-478aa, Human, His tag, E.coli

Cat.NO.: TP04492

3th Edition

Synonyms: Vitronectin precursor, V75, VN, VNT

Description: Vitronectin, also known as VTN, is a member of the pexin family. It is found in serum and tissues and promotes cell adhesion and spreading, inhibits the membrane-damaging effect of the terminal cytolytic complement pathway, and binds to several serpin serine protease inhibitors. Increased expression of VTN, integrins and plasminogen activators has been observed in migrating cells during wound healing. Recombinant human VTN protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight: 54.7kDa (482aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDQESCKGRCTEGFNVDKCKQCDELCSYYQSCCTDYTAECKPQVTRGDVFT
MPEDEYTVYDDGEEKNNATVHEQVGGPSLTSDLQAQSKGNPEQTPVLKPEEEAPAPEVGASKPEGIDSRPETLHP
GRPQPPAEEELCSGKPFDAFTDLKNGSLFAFRGQYCYELDEKAVRPGYPKLIRDVWGIEGPIDAAFTRINCQGKTYL
FKGSQYWRFEEDGVLDPDYPRNISDGFDPDNVDAALALPAHSYSGRERVYFFKGGKQYWEYQFQHQPSSQEECEG
SSLSAVFEHFAMMQRDSWEDIFELLFWGRTSAGTRQPQFISRDWHGVPGQVDAAMAGRIYISGMAPRPSLAKKQ
RFRHRNRKGYRSQRGHSRGRNQNSRRPSRATWLSLFSSEESNLGANNYDDYRMDWLVPATCEPIQSVFFFSGD
KYYRVNLRTRRVDTPPYPRSIAQYWLGC PAPGHL

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.