

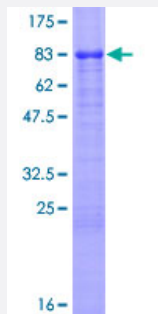
Full-Length

VTN (Human) Recombinant Protein (P01)

Catalog # H00007448-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VTN full-length ORF (AAH05046.1, 1 a.a. - 478 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPLRPLLILALLAWVALADQESCKGRCTEGFNVDKKCQCDELCSYYQSCCTDYTAECKPQVTR
GDVFTMPED EYTVYDDGEEKNNATVHEQVGGPSLTSDLQAQSKGNPEQTPVLKPEEEAPAPEV
GASKPEGIDSRPETLHPGRPQPPAEEELCSGKPFDAFTDLKNGSLFAFRGQYCYELDEKAVRPG
YPKLIRDVWGIEGPIDAAFTRINCQGKTYLFKGSQYWRFE DGVLPDYPRNISDGFDGIPDNVDAAL
ALPAHSYSGRERVYFFKGKQYWEYQFQHQPSSQEECEGSSLSAVFEHFAMMQRDSWEDIFELLF
WGRTSAGTRQPQFISRDPWHGVPGQVDAAMAGRMISGMAPRPSLAKKQRFHRNRKGYRSQRG
HSRGRNQNSRRPSRAMWLSLFSSEESNLGANNYDDYRMDWLVPATCEPIQSVFFFSGDKYYRV
NLRTRRVDTVDPPYPRSIAQYWLGC PAPGHL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.7

Interspecies Antigen Sequence

Mouse (74); Rat (73)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — VTN

Entrez GeneID	7448
GeneBank Accession#	BC005046.1
Protein Accession#	AAH05046.1
Gene Name	VTN
Gene Alias	V75, VN, VNT
Gene Description	vitronectin
Omim ID	193190
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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. It is a secreted protein and exists in either a single chain form or a clipped, two chain form held together by a disulfide bond. [provided by RefSeq]
Other Designations	complement S-protein epibolin serum spreading factor somatomedin B vitronectin (serum spreading factor, somatomedin B, complement S-protein)

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Macular Degeneration](#)
- [Thyroid Neoplasms](#)