

Product datasheet

Recombinant Human Vitronectin/S-Protein ab94369

2 References

Description

Product name	Recombinant Human Vitronectin/S-Protein
Purity	> 95 % SDS-PAGE. Purity : > 95% by SDS-PAGE gel and HPLC analyses.
Expression system	HEK 293 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	DQESCKGRCT EGFNVDKKCQ CDELCSYYQS CCTDYTAECK PQVTRGDVFT MPEDEYTVYD DGEEKNNATV HEQVGGPSLT SDLQAQSKGN PEQTPVLKPE EEAPAPEVGA SKPEGIDSRP ETLHPGRPQP PAEEELCSGK PFDAFTDLKN GSLFAFRGQY CYELDEKAVR PGYPKLIRDV WGIEGPIDAA FTRINCQGKT YLFKGSQYWR FEDGVLDPDY PRNISDGF DG IPDNVDAALA LPAHSYSGRE RVYFFKGKQY WEYQFQHQPS QEECEGSSLS AVFEHFAMMQ RDSWEDIFEL LFWGRTSAGT RQPQFISRDW HGVPQQVDAA MAGRIMSGM APRPSLAKKQ RFRHRNRKGY RSQRGHSRGR NQNSRRPSRA TWLSLFSSEE SNLGANNYDD YRMDWLVPAT CEPIQSVFFF SGDKYYRVNL RTRRVDTVDP PYPRSIAQYW LGCPAPGHL

Specifications

Our [Abpromise guarantee](#) covers the use of **ab94369** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized
Additional notes	Recombinant human Vitronectin promotes attachment of hESC and iPSC in serum-free, feeder conditions at 5ug/ml.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. Constituent: 0.328% Sodium phosphate
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function	Vitronectin is a cell adhesion and spreading factor found in serum and tissues. Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway. Somatomedin-B is a growth hormone-dependent serum factor with protease-inhibiting activity.
Tissue specificity	Plasma.
Sequence similarities	Contains 4 hemopexin repeats. Contains 1 SMB (somatomedin-B) domain.
Domain	The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.
Post-translational modifications	Sulfated on 2 tyrosine residues. N- and O-glycosylated. Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading. It has been suggested that the active SMB domain may be permitted considerable disulfide bond heterogeneity or variability, thus two alternate disulfide patterns based on 3D structures are described with 1 disulfide bond conserved in both. Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted, extracellular space.

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