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Elabscience Biotechnology Inc.

Elabscience®

Recombinant Human Vitronectin/VTN Protein (His Tag)

Catalog No. PKSH033218

Description

Synonyms	Vitronectin; VN; S-Protein; Serum-Spreading Factor; V75; VTN
Species	Human
Expression_host	Human Cells
Sequence	Asp20-Leu478
Accession	AAH05046.1
Mol_Mass	53.4 kDa
AP_Mol_Mass	60-80 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Human Vitronectin/VTN is a cell adhesion and spreading factor. It can be found in the blood and the extracellular matrix (ECM). Vitronectin interacts with glycosaminoglycans and proteoglycans. The multimeric Vitronectin can efficiently bind to and incorporate into the ECM; Vitronectin can support cell adhesion through binding to various integrins and other proteoglycans. Vitronectin can be recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecular. It can as a inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway. Vitronectin contains an endogenous cleavage site, plus cleavage sites for elastase, thrombin, and plasmin.

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