

Datasheet for ABIN6952270

ITGAV/ITGB1 Protein (AA 31-992)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ITGAV/ITGB1
Protein Characteristics:	AA 31-992
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ITGAV/ITGB1
Alternative Name:	Integrin alpha V beta 1 (ITGAV/ITGB1 Products)
Background:	Integrin alpha-5/beta-1 is a receptor for fibrinogen. Integrin alpha-1/beta-1, alpha-2/beta-1, alpha-6/beta-1 and alpha-7/beta-1 are receptors for laminin. Integrin alpha-4/beta-1 is a receptor for VCAM1. It recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-9/beta-1 is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D-G-I-E-L in cytotactin. Integrin alpha-V/beta-1 is also a receptor for vitronectin. Beta-1 integrins recognize the sequence R-G-D in a wide array of ligands. Isoform 2 interferes with isoform 1 resulting in a

Target Details

dominant negative effect on cell adhesion and migration (in vitro). When associated with alpha-7/beta-1 integrin, regulates cell adhesion and laminin matrix deposition.

Molecular Weight: 112.3 kDa (ITGAV) & 83.7 kDa (ITGB1)

Application Details

Restrictions: For Research Use only

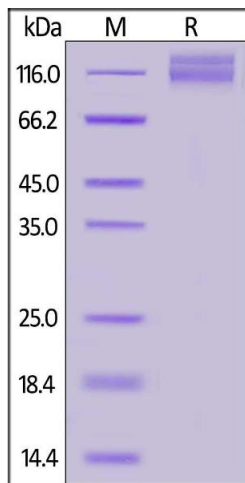
Handling

Format: Lyophilized

Buffer: 50 mM Tris, 150 mM NaCl, pH 8.0

Storage: -20 °C

Validation report #104433 for ELISA (ELISA)

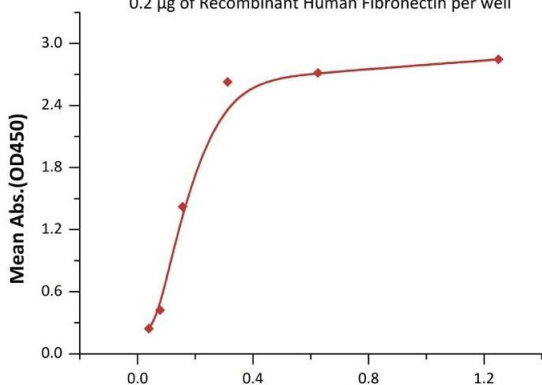


SDS-PAGE

Image 1. Human ITGAV&ITGB1 Heterodimer Protein, Tag Free&Tag Free on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .

Human ITGAV&ITGB1 Heterodimer Protein, Tag Free&Tag Free ELISA

0.2 µg of Recombinant Human Fibronectin per well



Human ITGAV&ITGB1 Heterodimer Protein, Tag Free&Tag Free Conc. (µg/mL)

ELISA

Image 2. Immobilized Recombinant Human Fibronectin at 2 µg/mL (100 µL/well) can bind Human ITGAV&ITGB1 Heterodimer Protein, Tag Free&Tag Free (ABIN6950967, ABIN6952270) with a linear range of 0.002-0.313 µg/mL (QC tested).