

# Recombinant Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein

Catalog No.: RP02426

## Sequence Information

**Species**      **Gene ID**  
Human          3678&3688

**Swiss Prot**    **Tags**  
P08648&P05556   C-His&Avi

**Synonyms**  
Integrin alpha 5 beta 1, VLA-5

## Product Information

**Source**          **Purification**  
HEK293 cells    ≥ 95 % as  
determined by  
Tris-Bis PAGE; ≥  
95 % as  
determined by  
HPLC.

**Calculated MW** **Observed MW**  
111.8 kDa          100-140 kDa  
(ITGA5), 83.2 kDa  
(ITGB1)

**Endotoxin**  
< 1 EU/μg of the protein by LAL  
method.

## Formulation

Lyophilized from a 0.22 μm filtered  
solution of PBS, pH 7.4.

## Reconstitution

Centrifuge the tube before  
opening. Reconstitute to a  
concentration of 0.1-0.5 mg/mL in  
sterile distilled water. Avoid vortex  
or vigorously pipetting the protein.  
For long term storage, it is  
recommended to add a carrier  
protein or stabilizer (e.g. 0.1% BSA,  
5% HSA, 10% FBS or 5%  
Trehalose), and aliquot the  
reconstituted protein solution to  
minimize free-thaw cycles.

## Background

### Basic Information

#### Description

Recombinant Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Phe42-Tyr995(P08648) acidic tail& Gln21-His728 (P05556) basic tail ) of Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer fused with His tag and Avi tag at the C-terminal.

#### Activity

Immobilized Human ITGA5&ITGB1, His Tag at 0.5 μg/mL (100 μL/Well). Dose response curve for Anti-ITGA5&ITGB1 Ab. with the EC<sub>50</sub> of 35.4 ng/mL determined by ELISA.

#### Shipping

Lyophilized proteins are shipped at ambient temperature.  
Liquid proteins are shipped at frozen temperature with dry ice.  
Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C

#### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

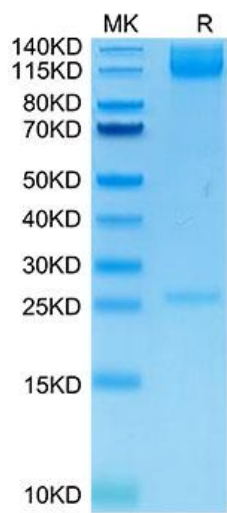
## Contact

☎ | 400-999-6126

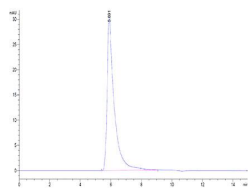
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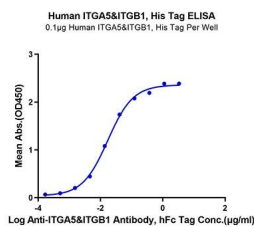
Validation Data



Recombinant Human Integrin alpha 5 beta 1 (ITGA5&ITGB1) Heterodimer Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



The purity of Human ITGA5&ITGB1 is greater than 95% as determined by SEC-HPLC.



Immobilized Human ITGA5&ITGB1, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-ITGA5&ITGB1 Antibody, hFc Tag with the EC<sub>50</sub> of 17.2ng/ml determined by ELISA.