

# Recombinant Human Integrin alpha V beta3 (ITGB3 ITGAV) Protein

Catalog No.: RP01918 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3690ITG3685	P05106&P06756

### Tags

C-HisITC-Flag

### Synonyms

ITGB3; GP3A; Integrin beta-3; Platelet membrane glycoprotein IIIa; GPIIIa; CD antigen CD61 & ITGAVITGAV; MSK8; VNRA; VTNRIIntegrin alpha-V; Vitronectin receptor subunit alpha; CD51; Cleaved into: Integrin alpha-V heavy chain; Integrin alpha-V light chain

## Product Information

Source	Purification
HEK293 cells	≥ 90% as determined by SDS-PAGE.

### Calculated MW Observed MW

77.71 kDa(ITGB3), 100-180 kDa  
111.94 kDa(ITGAV)

### Endotoxin

< 0.1 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 vial 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

Integrin beta-3 & alpha-V/ITGB3/ITGAV) is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor.

## Basic Information

### Description

Recombinant Human Integrin alpha V beta3 (ITGB3ITGAV) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala21-Asp718) of Human ITGB3 (Accession #NP\_000203.2) fused with His tag at the C-terminus and (Phe31-Val992) of Human ITGAV (Accession #NP\_002201.1)fused with His tag at the C-terminus.

### Bio-Activity

### Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Contact

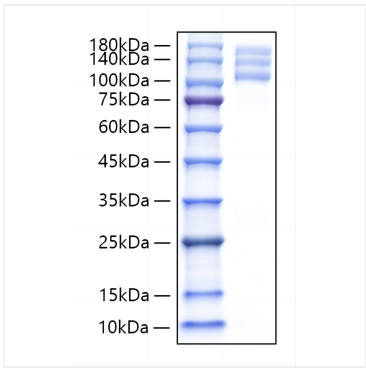
☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Validation Data

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Recombinant Human Integrin alpha V beta3 (ITGB3/ITGAV) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.