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

**Catalog No.: RP01918**

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## Sequence Information

| Species | Gene ID |
|---|---|
| Human | 3690&3685 |

| Swiss Prot | Tags |
|---|---|
| P05106&P06756 | C-His&C-Flag |

**Synonyms**

ITGB3; GP3A; Integrin beta-3; Platelet membrane glycoprotein IIIa; GPIIIa; CD antigen CD61 & ITGAV, ITGAV, MSK8, VNRA, VTNR, Integrin 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), 111.94 kDa(ITGAV) | 100-180 kDa |

**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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

**Contact**

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## 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 (ITGB3&ITGAV) 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.

**Activity**

**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℃

**Operational Notes**

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



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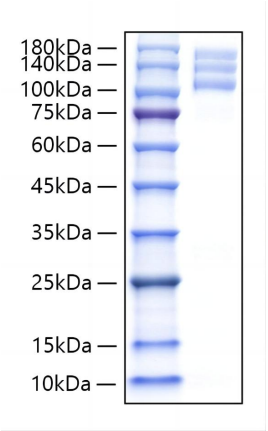
## Validation Data




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



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