Cat. No. PME101884



## **PRODUCT INFORMATION**

ITGB1 and ITGA3 **Target** 

Integrin alpha 3 beta 1,ITGB1 and ITGA3 Synonyms

Recombinant human ITGB1 protein with C-**Description** terminal human Fc tag and human ITGA3 protein

with C-terminal 10×His tag

**Delivery** In Stock

**Uniprot ID** P05556 and P26006

**Expression Host HEK293** 

Tag C-Human Fc tag and C-10×His tag

ITGB1(Gln21-Asp728) hFc(Glu99-Ala330) ITGA3(Phe33-Glu991) 10×His tag Molecular

Characterization

The protein has a predicted molecular mass of 104.5 and 108.0 kDa kDa after removal of the **Molecular Weight** 

signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

Integrin alpha-3/beta-1 ( $\alpha$ 3 $\beta$ 1) is a transmembrane receptor that binds laminin,

fibronectin, collagen, epiligrin, thrombospondin, and CSPG4. It mediates cell adhesion, migration, and signaling by serving as a docking site for FAP (seprase) at invadopodia in a collagen-dependent manner, facilitating ECM degradation and

**Background** 

promoting invasion. α3β1 also cooperates with LGALS3 to mediate CSPG4-induced endothelial cell migration and participates in tissue morphogenesis and basement membrane

organization.

Usage Research use only

Conjugate Unconjugated

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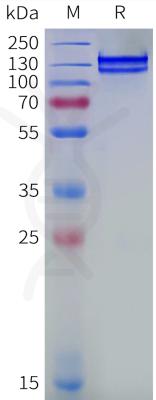
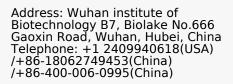


Figure 1. Human ITGB1 and ITGA3 Heterodimer Protein, hFc Tag and His Tag on SDS-PAGE under reducing condition.



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