PRODUCT INFORMATION

Target	ITGB1 and ITGA3
Synonyms	Integrin alpha 3 beta 1,ITGB1 and ITGA3
Description	Recombinant human ITGB1 protein with C-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
Molecular Characterization	ITGB1(Gln21-Asp728) hFc(Glu99-Ala330) ITGA3(Phe33-Glu991) 10×His tag
Molecular Weight	The protein has a predicted molecular mass of 104.5 and 108.0 kDa kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Integrin alpha-3/beta-1 (α3β1) 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 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

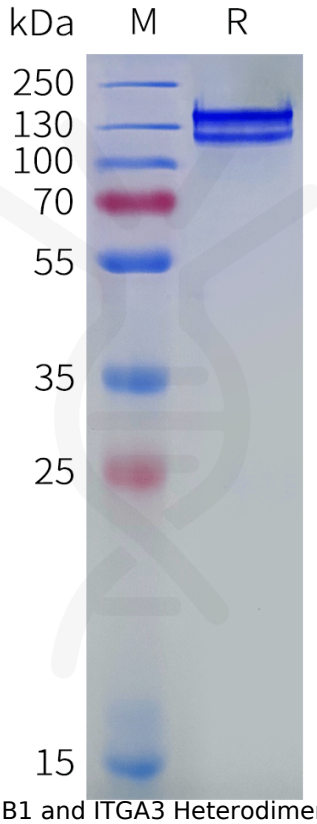

Figure 1. Human ITGB1 and ITGA3 Heterodimer Protein, hFc Tag and His Tag on SDS-PAGE under reducing condition.