Human ITGAV and ITGB6 Heterodimer Protein, His Tag and hFc Tag

Cat. No. PME101386

DIMA BIOTECH

PRODUCT INFORMATION

Target	ITGAV and ITGB6
Synonyms	CD51; MSK8; VNRA; VTNR and AI1H
Description	Recombinant human ITGAV protein with C-terminal 6×His tag and human ITGB6 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P06756 and P18564
Expression Host	HEK293
Tag	C-6×His tag and C-Human Fc tag
Molecular Characterization	ITGAV(Phe31-Val992) 6×His tag and ITGB6(Gly22-Asn707) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 107.1 and 100.4 kDa after removal of the signal peptide. The apparent molecular mass of ITGAV-His abd ITGB6-hFc is approximately 130-250 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% 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.
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 V beta 6 is a heterodimer of beta-6 associating with alpha-V. Integrin alpha-V beta-6 is a receptor for fibronectin and cytotactin. It recognizes the sequence R-G-D in its ligands. Internalisation of integrin alpha-V beta-6 via clathrin-mediated endocytosis promotes carcinoma cell invasion. Also, Integrin alpha-V beta-6 acts as a receptor for coxsackievirus A9 and coxsackievirus B1 as well as herpes simplex virus-1/HHV-1. Furthermore, it binds the TGF-beta latency-associated peptide (LAP) and activates TGF-beta 1 or TGF-beta 3 from large latent complexes. This activation requires interaction with LTBP-1 and fibronectin, and is enhanced by PAR-1.
Usage	Research use only
Conjugate	Unconjugated

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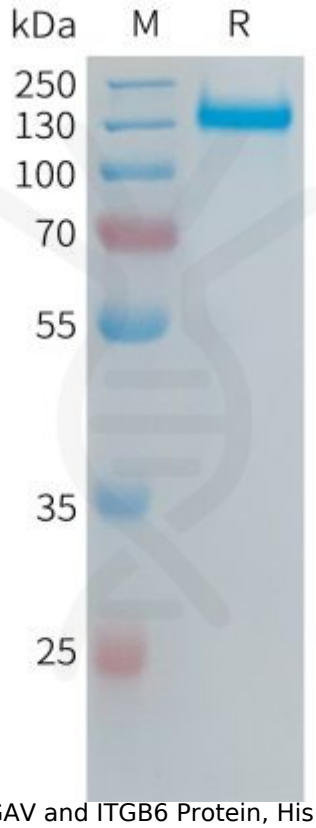


Figure 1. Human ITGAV and ITGB6 Protein, His and hFc Tag on SDS-PAGE under reducing condition.

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