

Active Recombinant Human ITGAV & ITGB5 Heterodimer protein, His-Avi-tagged, Low Endotoxin

Cat. No. ITGAV & ITGB5-2358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAV & ITGB5 Heterodimer protein(P06756-1(ITGAV) & P18084(ITGB5))(31-992 aa(ITGAV) & 24-719 aa(ITGB5)), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-992 aa(ITGAV) & 24-719 aa(ITGB5)
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ITGAV&ITGB5, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-alpha V Antibody, hFc Tag with the EC50 of 14.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 114 kDa (ITGAV) & 81.4 kDa (ITGB5). Due to glycosylation,the protein migrates to 85-140 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [ITGAV integrin, alpha V \[Homo sapiens \]](#)

Official Symbol [ITGAV](#)

Synonyms ITGAV; integrin, alpha V; antigen identified by monoclonal L230 , integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) , MSK8, vitronectin receptor , VNRA, VTNR; integrin alpha-V; CD51; integrin alphaVbeta3; vitronectin receptor subunit alpha; antigen identified by monoclonal L230; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); MSK8; VNRA; VTNR; DKFZp686A08142;

Gene ID [3685](#)

mRNA Refseq [NM_001144999](#)

Protein Refseq [NP_001138471](#)

MIM [193210](#)

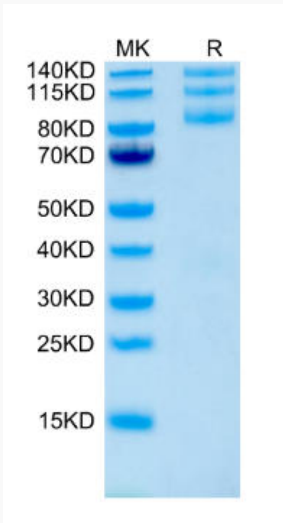
UniProt ID [P06756](#)

Gene Name 2 [ITGB5 integrin, beta 5 \[Homo sapiens \]](#)

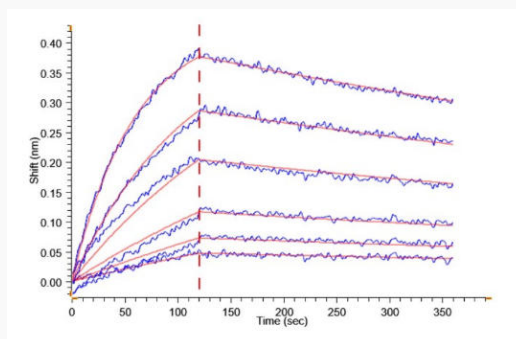
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol 2	ITGB5
Synonyms 2	ITGB5; integrin, beta 5; integrin beta-5; FLJ26658;
Gene ID 2	3693
mRNA Refseq 2	NM_002213
Protein Refseq 2	NP_002204
MIM 2	147561
UniProt ID 2	P18084
Bis-Tris PAGE	

ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA