

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

Cat. No. ITGAV & ITGB5-758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated 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)
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS, 8% trehalose (pH 7.4).
Bio-activity	Immobilized Biotinylated Human ITGAV&ITGB5, His Tag at 1µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-alpha V Antibody, hFc Tag with the EC50 of 9.6ng/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

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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](#)

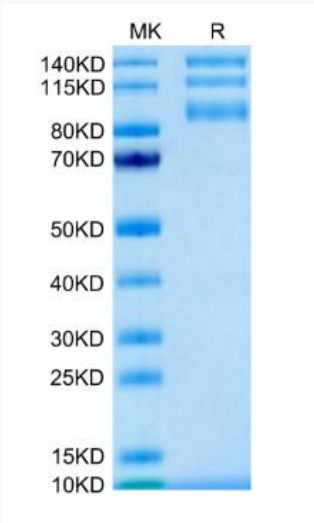
UniProt ID [P06756](#)

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

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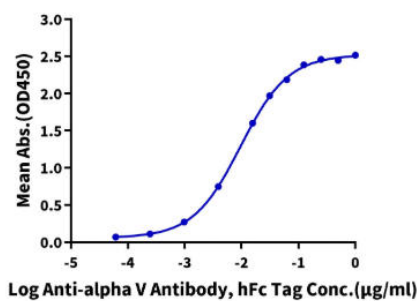
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Official Symbol 2	ITGB5
Synonyms 2	ITGB5; integrin, beta 5; integrin beta-5; FLJ26658;
Gene ID 2	3693
mRNA Refseq 2	NM_002213
Protein Refseq 2	NP_002204
MIM 2	147561
UniProt ID 2	P18084
Bis-Tris PAGE	

ELISA Data

Biotinylated Human ITGAV&ITGB5, His-Avi Tag ELISA

0.1µg Biotinylated Human ITGAV&ITGB5, His-Avi Tag Per Well



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