

Active Recombinant Human ITGAV & ITGB3 Heterodimer protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. ITGAV & ITGB3-738H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human ITGAV & ITGB3 Heterodimer protein(P06756-1(ITGAV) & P05106-1(ITGB3))(31-992 aa(ITGAV) & 27-718 aa(ITGB3)), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-992 aa(ITGAV) & 27-718 aa(ITGB3)
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human ITGAV&ITGB3, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-alpha V beta3 Antibody, hFc Tag with the EC50 of 0.64ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 114 kDa (ITGAV) & 81.3 kDa (ITGB3). Due to glycosylation, the protein migrates to 100-160 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC
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.

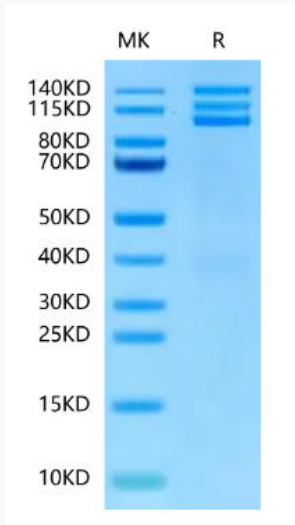
GENE INFORMATION

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

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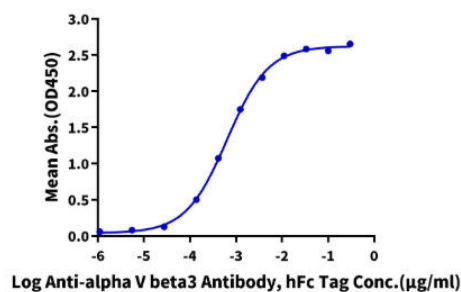
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Gene Name 2	ITGB3 integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61) [Homo sapiens]
Official Symbol 2	ITGB3
Synonyms 2	ITGB3; integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61); GP3A; integrin beta-3; CD61; GPIIIa; platelet glycoprotein IIIa; platelet membrane glycoprotein IIIa; GT; BDPLT2;
Gene ID 2	3690
mRNA Refseq 2	NM_000212
Protein Refseq 2	NP_000203
UniProt ID 2	P05106
Bis-Tris PAGE	

ELISA Data

Biotinylated Human ITGAV&ITGB3, His Avi Tag ELISA
0.05µg Biotinylated Human ITGAV&ITGB3, His Avi Tag Per Well



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