Recombinant Human ITGAV&ITGB8 protein, His-Avi-tagged

Cat. No. ITGAV?& ITGB8-3117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAV&ITGB8 protein(P06756-1(ITGAV)&P26012-1(ITGB8))(Phe31-Val992(ITGAV) & Glu43-Arg684(ITGB8)), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Phe31-Val992(ITGAV) & Glu43-Arg684(ITGB8)
Tag	C-His-Avi
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&ITGB8, His Tag at 5 μg/ml (100 μl/well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 0.85 μg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 114 kDa (ITGAV)&76 kDa (ITGB8). Due to glycosylation, the protein migrates to 90-150 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GeneID 2	3696

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

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

Gene Name 2	ITGB8 integrin, beta 8 [Homo sapiens]
Official Symbol 2	ITGB8
Synonyms 2	ITGB8; integrin, beta 8; integrin beta-8;
mRNA Refseq 2	NM_002214
Protein Refseq 2	NP_002205
MIM 2	604160
UniProt ID 2	P26012
Tris-Bis 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