Active Recombinant Human ITGAV & ITGB1 protein, His-tagged

Cat. No. ITGAV&ITGB1-0354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAV & ITGB1 protein(Phe 31 - Val 992 (ITGAV) & Gly 27 - Asp 718 (ITGB3)), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Phe 31 - Val 992 (ITGAV) & Gly 27 - Asp 718 (ITGB3)
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Fibronectin at 2 μg/mL (100 μL/well) can bind Human ITGAV&ITGB3 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.01-0.3 μg/mL.Immobilized Human Vitronectin at 2 μg/mL (100 μL/well) can bind Human ITGAV&ITGB3 Heterodimer Protein, His Tag&Tag Free with a linear range of 10-156 ng/mL.
Molecular Mass	Human ITGAV&ITGB3 Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGAV and ITGB3, has a calculated MW of 112.9 kDa (ITGAV) and 81.8 kDa (ITGB3). Subunit ITGAV is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB3 contains no tag but a basic tail at the C-terminus. The non-reducing (NR) protein migrates as 120-145 kDa (ITGAV) and

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

	85-95 kDa (ITGB3) respectively due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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

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