

Active Recombinant Human ITGAV&ITGB1 protein

Cat. No. ITGAV&ITGB1-0239H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAV&ITGB1 protein(Phe31-Val992(ITGAV)&Gln21-Asp728(ITGB1)) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-992;21-728 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Recombinant Human Fibronectin at 2 µg/mL (100 µL/well) can bind Human ITGAV&ITGB1 Heterodimer Protein, Tag Free&Tag Free with a linear range of 0.002-0.313 µg/mL.
Molecular Mass	The protein migrates as 130-150 kDa (ITGAV) and 110-120 kDa (ITGB1) under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Phe31-Val992(ITGAV)&Gln21-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-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 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

Protein Refseq NP_001138471

MIM 193210

UniProt ID P06756

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