

Active Recombinant Human ITGAV&ITGB1

Cat. No. ITGAV&ITGB1-740H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAV&ITGB1 (Accession # NP_002201 (Integrin alpha V) & P05556 (Integrin beta 1)) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
Predicted N Terminal	Phe31 (alpha V subunit) & Gln21 (beta 1 subunit)
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Integrin alpha V beta 1 is coated at 5 µg/mL, Human Fibronectin binds with an apparent KD <0.1 nM.
Molecular Mass	Recombinant Human ITGAV&ITGB1 has a calculated MW of 115.4 kDa (alpha V subunit) & 86.4 kDa (beta 1 subunit). In SDS-PAGE migrates as 120-170 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
Chromosome Location	2q31-q32

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