

Recombinant Human ITGAV cell lysate

Cat. No. ITGAV-877HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; ITGB1, ITGB3, ITGB5, ITGB6, and ITGB8), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ITGAV integrin, alpha V [Homo sapiens]
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 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

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
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;
Function	contributes_to insulin-like growth factor I binding; contributes_to opsonin binding; protein binding; protein kinase C alpha binding; contributes_to protein kinase C

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binding; receptor activity; transforming growth factor beta binding;

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