Recombinant Human ITGA1 293 Cell Lysate

Cat. No. ITGA1-5137HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for integrin, alpha 1 (ITGA1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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	the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ITGA1 integrin, alpha 1 [Homo sapiens]
Official Symbol	ITGA1
Synonyms	ITGA1; integrin, alpha 1; integrin alpha-1; CD49a; VLA1; VLA-1; laminin and collagen receptor; very late activation protein 1; CD49 antigen-like family member A;
Gene ID	3672
mRNA Refseq	NM_181501
Protein Refseq	NP_852478
MIM	192968
UniProt ID	P56199
Chromosome Location	5q11.1
Pathway	Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; CHL1 interactions, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem;

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Function	collagen binding; integrin binding; protein binding; protein heterodimerization activity; receptor activity;

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