

Recombinant Human ITGA6 293 Cell Lysate

Cat. No. ITGA6-5131HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for integrin, alpha 6 (ITGA6), transcript variant 2 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.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil 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

ITGA6 integrin, alpha 6 [Homo sapiens]

Official Symbol

ITGA6

Synonyms

ITGA6; integrin, alpha 6; integrin alpha-6; CD49f; integrin alpha6B; CD49 antigen-like family member F; VLA-6; ITGA6B; FLJ18737; DKFZp686J01244;

Gene ID

3655

mRNA Refseq

NM_000210

Protein Refseq

NP_000201

MIM

147556

UniProt ID

P23229

**Chromosome
Location**

2q31.1

Pathway

Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Basigin interactions, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific

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biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem;

Function

protein binding; receptor activity;

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