

Recombinant Human ITGA3 293 Cell Lysate

Cat. No. ITGA3-5134HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) (ITGA3), transcript variant a 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 ITGA3 integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) [Homo sapiens]

Official Symbol ITGA3

Synonyms ITGA3; integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor); antigen identified by monoclonal J143 , MSK18; integrin alpha-3; CD49c; GAP B3; VCA 2; VLA3a; FRP-2; galactoprotein B3; VLA-3 subunit alpha; CD49 antigen-like family member C; antigen identified by monoclonal J143; very late activation protein 3 receptor, alpha-3 subunit; VL3A; CD49C; GAPB3; MSK18; VCA-2; GAP-B3; FLJ34631; FLJ34704;

Gene ID 3675

mRNA Refseq NM_002204

Protein Refseq NP_002195

MIM 605025

UniProt ID P26006

Chromosome Location 17q21.33

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Pathway

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 biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem;

Function

protein binding; receptor activity;

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