

Recombinant Human ITGA5 293 Cell Lysate

Cat. No. ITGA5-5132HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for integrin, alpha 5 (fibronectin receptor, alpha polypeptide) (ITGA5) 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 [ITGA5 integrin, alpha 5 \(fibronectin receptor, alpha polypeptide\) \[Homo sapiens \]](#)

Official Symbol ITGA5

Synonyms

ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;

Gene ID [3678](#)

mRNA Refseq [NM_002205](#)

Protein Refseq [NP_002196](#)

MIM [135620](#)

UniProt ID [P08648](#)

Chromosome Location 12q11-q13

Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved

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biosystem; Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem;

Function

integrin binding; platelet-derived growth factor receptor binding; protein binding; receptor activity; vascular endothelial growth factor receptor 2 binding;

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