

## Recombinant Human ITGA5 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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** [Angiopietin receptor Tie2-mediated signaling, organism-specific biosystem](#); [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\), organism-specific biosystem](#); [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\), conserved biosystem](#); [Axon guidance, organism-specific biosystem](#); [Bacterial invasion of epithelial cells, organism-specific biosystem](#); [Bacterial invasion of epithelial cells,](#)

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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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