Recombinant Human ITGA5&ITGB6 cell lysate

Cat. No. ITGA5&ITGB6-854HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGA5 & ITGB6 Heterodimer derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens]; ITGB6 integrin, beta 6 [Homo sapiens]
Official Symbol	ITGA5; ITGB6
Synonyms	FNRA; CD49e; VLA5A; integrin alpha-5; 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
Gene ID	3678; 3694
mRNA Refseq	NM_002205; NM_000888
Protein Refseq	NP_002196; NP_000879
MIM	135620; 147558
UniProt ID	P08648; P18564

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Chromosome Location	12q11-q13; 2q24.2
Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy, organism-specific biosystem; ECM proteoglycans, organism-specific biosystem
Function	epidermal growth factor receptor binding; integrin binding; metal ion binding; integrin binding; virus receptor activity

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