

Human ITGA6 & ITGB4 Heterodimer HEK293

Cell Lysate (WB positive control)



Sino Biological Inc.
Biological Solution Specialist

Catalog Number: CT069-H2508HL

CD49f & ITGB4 Heterodimer Transfected / Overexpression Cell Lysate Product Information

Expressed Host:	HEK293 Cells
Products Description:	Human Cells that Human ITGA6 & ITGB4 Heterodimer Heterodimer transfected / overexpressed for Western blot (WB) positive control. The whole cell lysate is provided in 1X Sample Buffer (1X modified RIPA buffer+1X SDS loading buffer).
Sequence information:	A DNA sequence encoding the extracellular domain (Met 1-Ser 1011) of human ITGA6 isoform alpha-6X1B (P23229-3) was fused with a flag tag at the C-terminus, constructed the plasmid 1 ; A DNA sequence encoding the extracellular domain (Met 1-Ser 710) of human ITGB4 (CAA37656.1) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified
Predicted N Terminal:	Phe 24 & Asn 28
Molecule Mass:	The recombinant heterodimer of human ITGA6&ITGB4 comprises 1754 (1030 + 724) amino acids and has a calculated molecular mass of 196 (115 + 81) kDa.
Species:	Human

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Preparation Method:	Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (Bio-Rad protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading 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 after protein purification.
Stability:	Samples are stable for up to twelve months from date of receipt.
Recommend Usage:	<ol style="list-style-type: none">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 boil for 2-5 min.3. Store the lyophilized cell lysate at 4°C. After re-dissolution, recommend to aliquot it into smaller quantities and store at -80°C.
Storage Buffer:	1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer).
Storage Instruction:	Store at 4°C. After re-dissolution, aliquot and store at -80°C.
Application notes:	Western blot (WB): Use at an assay dependent dilution. Other Applications: Not tested. Optimal dilutions/concentrations should be determined by the end user.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

For US Customer: Fax: 267-657-0217 ● Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 ● Tel:+86-400-890-9989 ● <http://www.sinobiological.com>