

Human ALK-1 / ACVRL1 HEK293 Cell Lysate (WB positive control)



Sino Biological Inc.
Biological Solution Specialist

Catalog Number: 10066-H02HL

ALK-1 Transfected / Overexpression Cell Lysate Product Information

Expressed Host:	HEK293 Cells
Products Description:	Human Cell lysate that Human ALK-1 / ACVRL1 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 N-terminal segment (Met 1-Gln 118) of the extracellular domain of human ALK1 (NP_000011.2) pro-protein was fused with the Fc region of human IgG1 at the C-terminus.
Predicted N Terminal:	Asp 22
Molecule Mass:	The mature recombinant human ALK1/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer comprises 335 amino acids and has a predicted molecular mass of 37.4 kDa. As a result of glycosylation, the recombinant monomer migrates as an approximately 45-50 kDa protein in SDS-PAGE under reducing conditions.
Species:	Human

ALK-1 Transfected / Overexpression Cell Lysate Usage Guide

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:	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.

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