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Datasheet for ABIN7519654 **ACVRL1 Protein (His tag)**

Overview

Quantity:	100 µg
Target:	ACVRL1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ACVRL1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human ALK-1/ACVRL1 Protein
Sequence:	DPVKPSRGPL VTCTCESPHC KGPTCRGAWC TVVLVREEGR HPQEHRCGN LHRELCRGRP TEFVNHYCCD SHLCNHNVS L VLEATQPPSE QPGTDGQ
Specificity:	Asp22-Gln118
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human ALK-1 at 4 µg/mL (100 µL/well) can bind Human ACVR2B with a linear range of 0.08-2.4 µg/mL.

Target Details

Target:	ACVRL1
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Target Details

Alternative Name: ALK-1/ACVRL1 ([ACVRL1 Products](#))

Background: Description: This protein is a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. The protein, sometimes termed ALK1, shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases.

Name: ACVRL1,ACVRLK1,ALK-1,ALK1,HHT,HHT2,ORW2,SKR3,TSR-I, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I

Gene ID: 94

UniProt: [P37023](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.