

# Recombinant Human ALK-1/ACVRL1 Protein (Fc Tag)

Catalog Number: PKSH033782



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

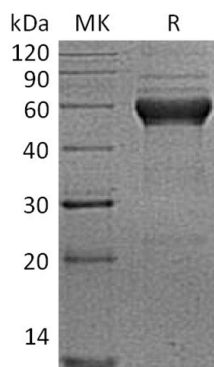
## Description

<b>Species</b>	Human
<b>Mol_Mass</b>	37.6 kDa
<b>Accession</b>	P37023
<b>Bio-activity</b>	Not validated for activity

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Activin Receptor-Like Kinase 1 (ALK-1) is a type I cell-surface receptor for the TGF- $\beta$  superfamily of ligands. ALK-1 has a high degree of similarity in serine-threonine kinase subdomains, a glycine and serine rich region preceding the kinase domain, and a C-terminal tail with other activin receptor-like kinase proteins. The mutations of ALK-1 are associated with Rendu-Osler-Weber syndrome 2, this suggests ACVRL1 is associated with blood vessel development and repair.

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