

# Cynomolgus ALK-1 / ACVRL1 (Fc Tag) recombinant protein



Catalog Number: 504749

## General Information

### Protein Construction

A DNA sequence encoding the cynomolgus ACVRL1 (Met1-Gln118) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit BMP9 induced alkaline phosphatase production by MC3T3-E1 cells.

The ED<sub>50</sub> for this effect is typically 1-5 ng/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asp 22

### Molecular Mass

The recombinant cynomolgus ACVRL1 is a disulfide-linked homodimer. The reduced monomer comprises 338 amino acids and has a calculated molecular mass of 37.8 KDa. The apparent molecular mass of the protein is approximately 53 KDa respectively in SDS-PAGE.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

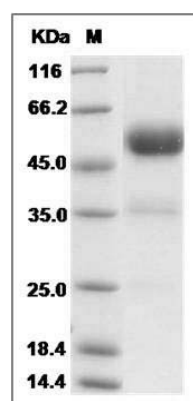
Store it under sterile conditions at -20°C to -80°C.

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Cynomolgus ALK-1 / ACVRL1 Protein (Fc Tag)  
SDS-PAGE