

# Canine ALK-2 / ACVR1 (Fc Tag) recombinant protein



Catalog Number: 504815

## General Information

### Protein Construction

A DNA sequence encoding the canine ACVR1 (XP\_549615.2) (Met1-Glu123) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Canine

### Expression Host

Human Cells

## QC Testing

### Purity

(32.9+66.0) % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met 21

### Molecular Mass

The recombinant canine ACVR1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 344 amino acids and has a predicted molecular mass of 38.6 kDa. The apparent

molecular mass of the protein is approximately 68 and 44 kDa in SDS-PAGE under reducing conditions.

### 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

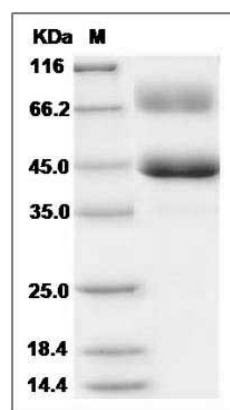
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



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