

# Human ALK-2 / ACVR1 (His Tag) recombinant protein



Catalog Number: 500010

## General Information

### Gene Name Synonym

Activin receptor type I; Activin receptor-like kinase 2; Serine/threonine-protein kinase receptor R1; TGF-B superfamily receptor type I

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Val 124) of human ALK2 (Q04771) (Met 1-Val 124) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 93 % 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 secreted recombinant human ALK2 consists of 114 amino acids and has a calculated molecular mass of 12.8KDa. It migrates as an approximately 17 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

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

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

## Usage Guide

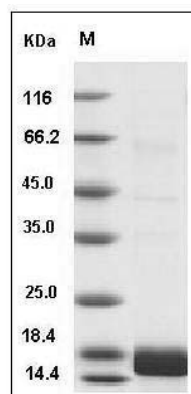
### Storage

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



Human ALK-2 / ACVR1 / ALK2 Protein (His Tag)  
SDS-PAGE