

# Human ACVR2A (His Tag) recombinant protein



Catalog Number: 504005

## General Information

### Gene Name Synonym

Activin receptor type IIA

### Protein Construction

A DNA sequence encoding the extracellular domain of human ACVR2A (NP\_001607.1) (Met 1-Pro 134) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED<sub>50</sub> for this effect is typically 0.4-3 µg/mL in the presence of 10 ng/mL recombinant Activin A.

### Purity

> 97 % 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

Ala 20

### Molecular Mass

The recombinant human ACVR2A comprises 126 amino acids and predicts a molecular mass of 14.9 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 35-40 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

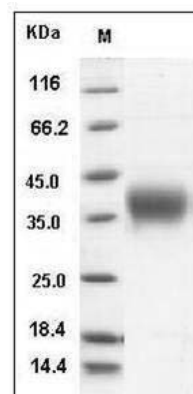
### Storage

Store it under sterile conditions at -20°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



Human ACVR2 / ACTRII / ACVR2A Protein (His Tag) SDS-PAGE