

## 32-18582: Human ACVR1B Protein, hFc Tag

**Gene :** ACVR1B

**Uniprot ID :** P36896

**Alternative Name :** ALK4; SKR2; ACTR1B; ACVRLK4, Recombinant human ACVR1B Protein with C-terminal human Fc tag

### Description

This gene encodes an activin A type IB receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]

**Molecular Weight :** The protein has a predicted molecular mass of 37.6 kDa after removal of the signal peptide. The apparent molecular mass of ACVR1B-hFc is approximately 35-55 kDa due to glycosylation.

**Tag :** C-Human Fc tag

### Product Info

**Amount :** 50µg / 10µg

**Purification :** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

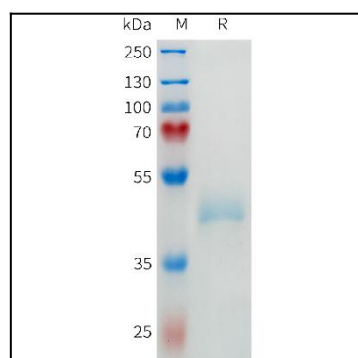


Figure 1. Human ACVR1B Protein, hFc Tag on SDS-PAGE under reducing condition.