

PRODUCT INFORMATION

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| Target | ACVR1B |
| Synonyms | ALK4; SKR2; ACTRIB; ACVRLK4 |
| Description | Recombinant human ACVR1B Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P36896 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | ACVR1B(Ser24-Glu126) hFc(Glu99-Ala330) |
| 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. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | 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 & Shipping | 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. |
| Background | 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |



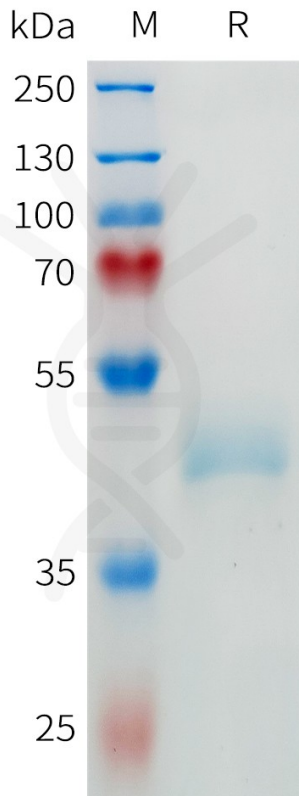


Figure 1. Human ACVR1B Protein, hFc Tag on SDS-PAGE under reducing condition.

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