PRODUCT INFORMATION

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

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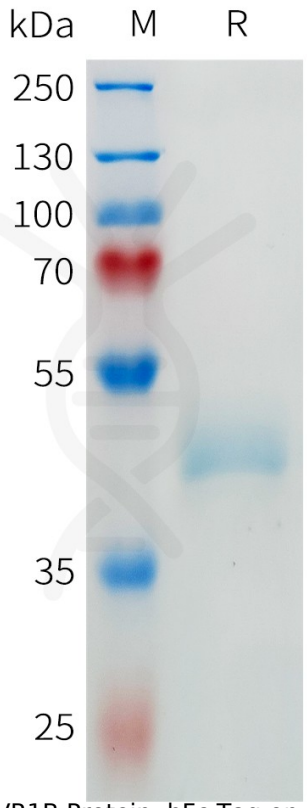


Figure 1. Human ACVR1B Protein, hFc Tag on SDS-PAGE under reducing condition.

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