

## PRODUCT INFORMATION

<b>Target</b>	ACVR2B
<b>Synonyms</b>	ActRIIB; AI047905; 4930516B21Rik
<b>Description</b>	Recombinant mouse ACVR2B protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P27040
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	Mouse ACVR2B(Ser19-Thr137) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 39.8 kDa after removal of the signal peptide. The apparent molecular mass of mACVR2B-hFc is approximately 55-70 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	Enables activin binding activity; growth factor binding activity; and protein kinase activity. Involved in blood vessel remodeling; negative regulation of cold-induced thermogenesis; and vasculature development. Acts upstream of or within several processes, including animal organ development; embryonic morphogenesis; and insulin secretion. Predicted to be located in cytoplasm. Predicted to be part of activin receptor complex. Predicted to be active in plasma membrane. Is expressed in several structures, including alimentary system; egg cylinder; genitourinary system; nervous system; and sensory organ. Used to study right atrial isomerism and visceral heterotaxy. Human ortholog(s) of this gene implicated in visceral heterotaxy. Orthologous to human ACVR2B (activin A receptor type 2B). [provided by Alliance of Genome Resources, Apr 2022]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



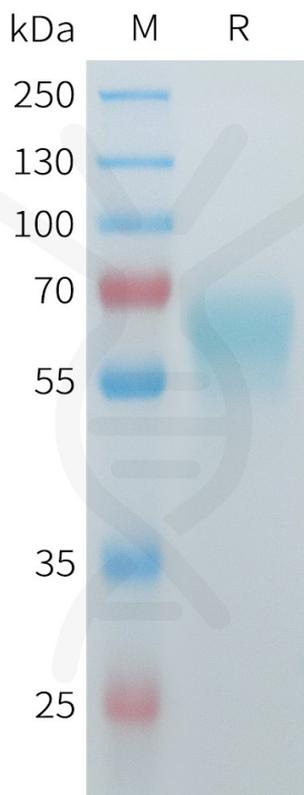


Figure 1. Mouse ACVR2B Protein, hFc Tag on SDS-PAGE under reducing condition.

