PRODUCT INFORMATION

Target	ACVR2B
Synonyms	ActRIIB; AI047905; 4930516B21Rik
Description	Recombinant mouse ACVR2B protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P27040
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	Mouse ACVR2B(Ser19-Thr137) hFc(Glu99-Ala330)
Molecular Weight	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.
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	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]
Usage	Research use only
Conjugate	Unconjugated

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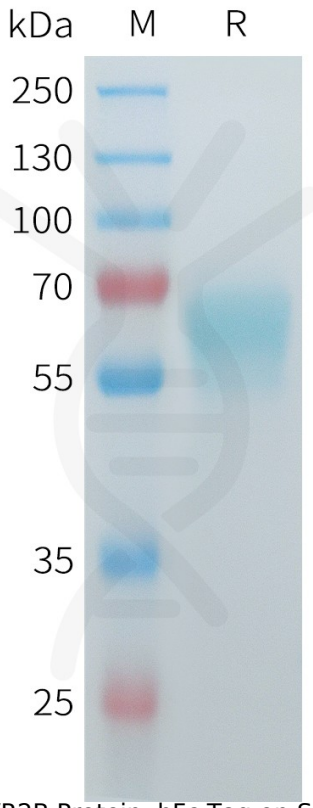


Figure 1. Mouse ACVR2B Protein, hFc Tag on SDS-PAGE under reducing condition.

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