

Active Recombinant Rat ACVR1B protein, hFc-tagged

Cat. No. ACVR1B-2179R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ACVR1B protein(NP_954700.1)(Met1-Glu126), fused with hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Glu126
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind with rat TDGF1-His in a functional ELISA.
Molecular Mass	The recombinant rat ACVR1B/Fc is a disulfide-linked homodimer. The reduced monomer comprises 344 amino acids and has a predicted molecular mass of 38.4 kDa. The apparent molecular mass of the protein is approximately 42 and 34 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Acvr1b activin A receptor, type IB \[Rattus norvegicus \]](#)

Official Symbol [ACVR1B](#)

Synonyms ACVR1B; activin A receptor, type IB; activin receptor type-1B; ALK-4; ACTR-IB; activin receptor type IB; activin A receptor, type 1B; activin receptor-like kinase 4; Serine/threonine-protein kinase receptor R2; Skr2;

Gene ID [29381](#)

mRNA Refseq [NM_199230](#)

Protein Refseq [NP_954700](#)

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