

Active Recombinant Human ACVR1B protein, hFc-tagged

Cat. No. ACVR1B-529H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACVR1B protein(NP_004293.1)(Met1-Glu126), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Glu126
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human TDGF1-His at 10 µg/mL (100 µL/well) can bind ACVR1B-Fc, the EC50 of human ACVR1B-Fc is 3-20 ng/mL.
Molecular Mass	The recombinant human ACVR1B consists of 341 amino acids and predicts a molecular mass of 38.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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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 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 \[Homo sapiens \]](#)

Official Symbol [ACVR1B](#)

Synonyms ACVR1B; activin A receptor, type IB; ACVRLK4; activin receptor type-1B; ActRIB; ALK4; SKR2; activin receptor-like kinase 4; activin A receptor, type II-like kinase 4; serine/threonine-protein kinase receptor R2; ACTRIB;

Gene ID [91](#)

mRNA Refseq [NM_004302](#)

Protein Refseq [NP_004293](#)

MIM [601300](#)

UniProt ID [P36896](#)

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