

Active Recombinant Human ACVR2B Protein, His-tagged, Biotinylated

Cat. No. ACVR2B-886H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Active Recombinant Human ACVR2B Protein(NP_001097.2) (Met 1-Thr 134) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-134 aa
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1.Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 0.2 μ g/mL in the presence of 10 ng/mL recombinant Activin A. 2.Immobilized Recombinant Human/Mouse/Rat/Cynomolgus/Rhesus Activin A/INHBA Protein at 2 μ g/mL (100 μ L/well) can bind Recombinant Human ACVR2B / ActivinR-IIB Protein (His Tag), Biotinylated, the EC50 is 2-8ng/mL.
Molecular Mass	The recombinant Human ACVR2B comprises 127 amino acids and has a predicted molecular mass of 14.77 kDa. It migrates as an approximately 32.8 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g protein as determined by the LAL method.

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Purity	≥ 90 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
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	ACVR2B activin A receptor, type IIB [Homo sapiens]
Official Symbol	ACVR2B
Synonyms	ACVR2B; activin A receptor, type IIB; activin receptor type-2B; ActR IIB; HTX4; ACTRIIB; ActR-IIB;
Gene ID	93
mRNA Refseq	NM_001106
Protein Refseq	NP_001097
MIM	602730
UniProt ID	Q13705

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