

Active Recombinant Human ACVR2B protein, His-tagged

Cat. No. ACVR2B-197H Lot. No. (See product label)

SPECIFICATION

Product Overview	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
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its ability to bind biotinylated Human INHBA-his in functional ELISA. 2. Measured by its ability to bind biotinylated Mouse INHBA-his in functional ELISA. 3. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 0.3-2 µg/mL in the presence of 10 ng/mL recombinant Activin A.
Molecular Mass	The recombinant human ACVR2B comprises 127 amino acids and predicts a molecular mass of 15 kDa. As a result of glycosylation, rh ACVR2B migrates as an approximately 33-38 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 97 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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

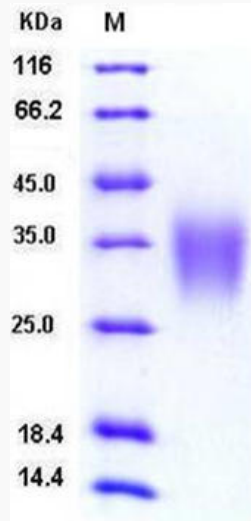
UniProt ID Q13705

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SDS-PAGE



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