

# Active Recombinant Human ACVR2B protein, hFc&His-tagged

Cat. No. ACVR2B-2675H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human Activin RIIB/ACVR2B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser19-Thr134) of human ACVR2B/Activin RIIB (Accession #NP_001097.2) fused with an Fc, 6xHis tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ser19-Thr134
<b>Form</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
<b>Bio-activity</b>	<p>1. Measured by its binding ability in a functional ELISA. Immobilized Human ACVR2B at 1 µg/mL (100 µL/well) can bind Human BMPRIA with a linear range of 0.5-62.5 ng/mL.</p> <p>2. Measured by its binding ability in a functional ELISA. Immobilized Human CD105 at 1 µg/mL (100 µL/well) can bind Human ACVR2B with a linear range of 0.49-43.03 ng/mL.</p>
<b>Molecular Mass</b>	50-70 kDa
<b>Endotoxin</b>	< 0.1 EU/µg of the protein by LAL method.
<b>Purity</b>	> 95% by SDS-PAGE.

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**Storage** Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## 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

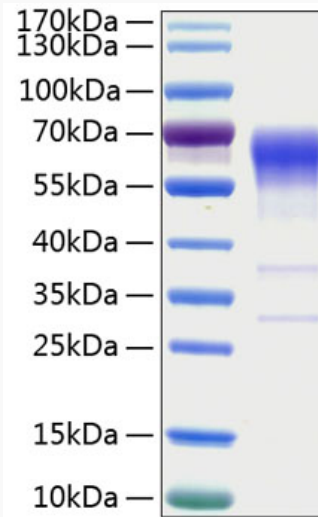
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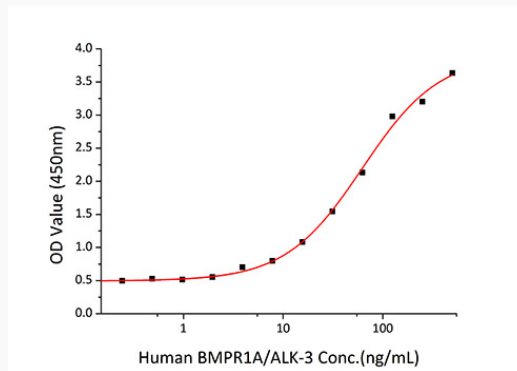
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**SDS-PAGE**



**Bio-activity**



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