

Active Recombinant Rat Acvr2b protein, His-tagged, Low Endotoxin

Cat. No. ACVR2B-151R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Acvr2b protein(P38445)(19-137 aa), fused with C-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	19-137 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Activin A, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Rat Activin RIIB, His Tag with the EC50 of 12.7ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 15.29 kDa. Due to glycosylation, the protein migrates to 30-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after

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reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name *Acvr2b* activin A receptor, type IIB [*Rattus norvegicus*]

Official Symbol *Acvr2b*

Synonyms ACVR2B; activin A receptor, type IIB; activin receptor type-2B; ACTR-IIB; activin receptor IIB; activin receptor type IIB; ActRIIB type II activin receptor B; Activine receptor 2b (transmembrane serine kinase);

Gene ID 25366

mRNA Refseq NM_031554

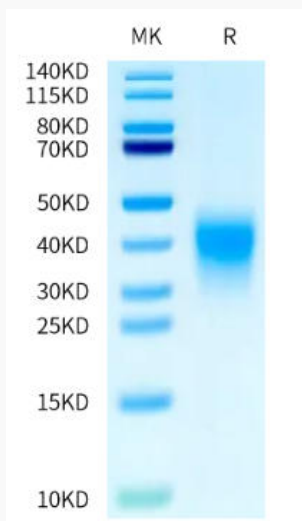
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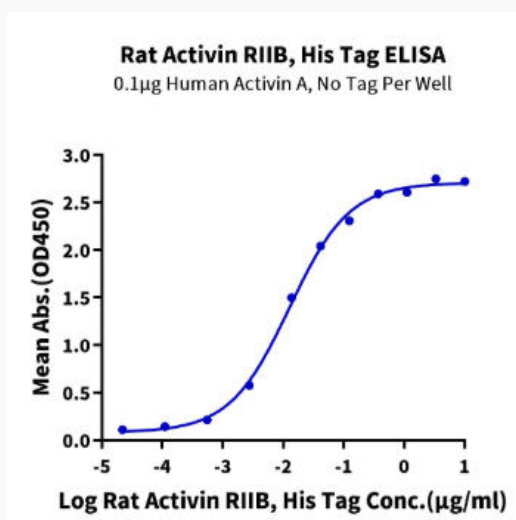
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Bis-Tris PAGE



ELISA Data



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