

Active Recombinant Rat Acvr1c protein, hFc-tagged, Low Endotoxin

Cat. No. ACVR1C-149R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Acvr1c protein(P70539)(26-113 aa), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	26-113 aa
Form	Lyophilized from 0.22 µm filtered solution in 20mM Tris, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Rat ALK-7, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-ALK-7 Antibody, hFc Tag with the EC50 of 7.8ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 35.46 kDa. Due to glycosylation, the protein migrates to 48-68 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; > 90% 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 [Acvr1c activin A receptor, type IC \[Rattus norvegicus \]](#)

Official Symbol [Acvr1c](#)

Synonyms ACVR1C; activin A receptor, type IC; activin receptor type-1C; ACTR-IC; TGF-beta type 1 receptor; activin receptor type IC; activin receptor-like kinase 7; Alk7; Alk-7; habrec1;

Gene ID [245921](#)

mRNA Refseq [NM_139090](#)

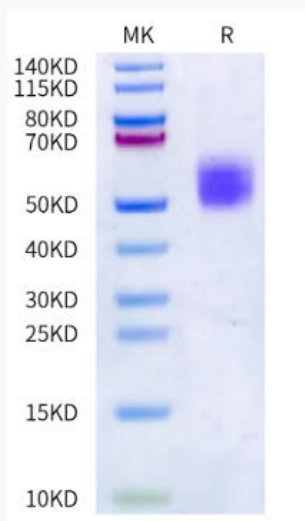
Protein Refseq [NP_620790](#)

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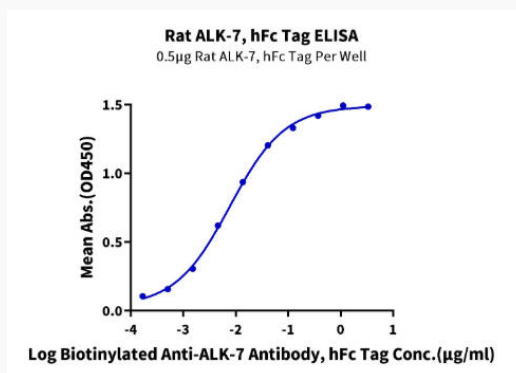
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Bis-Tris PAGE



ELISA Data



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