Active Recombinant Cynomolgus ACVR2B protein(Ser28-Thr143), His-tagged

Cat. No. ACVR2B-3386C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus ACVR2B (Ser28-Thr143) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	Ser28-Thr143
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 0.2-1 μg/mL in the presence of 10 ng/mL recombinant Activin A.
Molecular Mass	The recombinant cynomolgus ACVR2B comprises 127 amino acids and has a calculated molecular mass of 14.8 KDa. The apparent molecular mass of it is approximately 33-36 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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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.

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