

Active Recombinant Cynomolgus ACVR2B

Cat. No. ACVR2B-193C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the cynomolgus ACVR2B (EHH16502.1) (Ser28-Thr143) was expressed with six amino acids (LEVLFQ) at the C-terminus.
Species	Cynomolgus
Source	Human Cells
ProteinLength	Ser28-Thr143
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 0.2-0.6 µg/mL in the presence of 10 ng/mL recombinant Activin A.
Molecular Mass	The recombinant cynomolgus ACVR2B is a disulfide-linked homodimer. The reduced monomer comprises 123 amino acids and has a calculated molecular mass of 14.1 KDa. The apparent molecular mass of the protein is approximately 34 KDa in SDS-PAGE.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C

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Storage Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name ACVR2B?activin A receptor, type IIB [?Macaca fascicularis?(crab-eating macaque)]

Official Symbol ACVR2B

Synonyms ACVR2B; activin A receptor, type IIB; activin A receptor, type IIB

Gene ID 102118668

mRNA Refseq XM_005546675

Protein Refseq XP_005546732

Chromosome Location 2

Pathway Cytokine-cytokine receptor interaction; TGF-beta signaling pathway

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