

Recombinant Cynomolgus ACVRL1 protein(Met1-Gln118), hFc-tagged

Cat. No. ACVRL1-2353C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus ACVRL1 (Met1-Gln118) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Gln118
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 inhibit BMP9-induced alkaline phosphatase production by MC3T3-E1 cells. The ED50 for this effect is typically 1-5 ng/ml.
Molecular Mass	The recombinant cynomolgus ACVRL1 is a disulfide-linked homodimer. The reduced monomer comprises 338 amino acids and has a calculated molecular mass of 37.8 KDa. The apparent molecular mass of the protein is approximately 53 KDa respectively in SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % 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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