

Active Recombinant Canine ACVRL1 protein, hFc-tagged

Cat. No. ACVRL1-318C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine ACVRL1 protein(E2R174)(Met1-Gln119), fused with hFc tag, was expressed in HEK293.
Species	Canine
Source	HEK293
ProteinLength	Met1-Gln119
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. 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 5-15 ng/mL in the presence of 2 ng/mL of recombinant human BMP-9.
Molecular Mass	The recombinant canine ACVRL1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 339 amino acids and has a predicted molecular mass of 37.9 kDa. The apparent molecular mass of the protein is approximately 43-47 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.

GENE INFORMATION

Gene Name ACVRL1 activin A receptor type II-like 1 [*Canis lupus familiaris* (dog)]

Official Symbol ACVRL1

Synonyms ACVRL1; activin A receptor type II-like 1; serine/threonine-protein kinase receptor R3; activin A receptor type II-like 1

Gene ID 477603

mRNA Refseq XM_534796

Protein Refseq XP_534796

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