

Recombinant Canine ACVR1, His tagged

Cat. No. ACVR1-300C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine ACVR1 (XP_549615.2) (Met1-Glu123), fused with a C-terminal polyhistidine tag, was produced in Human Cells.
Species	Canine
Source	Human Cells
ProteinLength	1-123 a.a.
Predicted N Terminal	Met 21
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant canine ACVR1 comprises 114 amino acids and has a predicted molecular mass of 13 kDa. The apparent molecular mass of the protein is approximately 19 kDa in SDS-PAGE under reducing conditions due to glycosylation.
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 -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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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. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name ACVR1 activin A receptor, type I [*Canis lupus familiaris* (dog)]

Official Symbol ACVR1

Gene ID 478757

mRNA Refseq XM_549615

Protein Refseq XP_549615

**Chromosome
Location** 36

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