

## Recombinant Canine ACVR1, His tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Canine ACVR1 (XP_549615.2) (Met1-Glu123), fused with a C-terminal polyhistidine tag, was produced in Human Cells.
<b>Species</b>	Canine
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-123 a.a.
<b>Predicted N Terminal</b>	Met 21
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70oC.
<b>Storage</b>	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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