

Recombinant Canine ACVR1 protein(Met1-Glu123), hFc-tagged

Cat. No. ACVR1-160C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Canine ACVR1 (XP_549615.2) (Met1-Glu123) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Canine
Source	HEK293
ProteinLength	Met1-Glu123
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant canine ACVR1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 344 amino acids and has a predicted molecular mass of 38.6 kDa. The apparent molecular mass of the protein is approximately 68 and 44 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
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.

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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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GENE INFORMATION

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

Official Symbol ACVR1

Synonyms ACVR1; activin A receptor, type I; activin receptor type-1

Gene ID 478757

mRNA Refseq XM_549615

Protein Refseq XP_549615

UniProt ID

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