Active Recombinant Canine IL17A protein(Gly26-Ala155)

Cat. No. IL17A-168C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL17A (NP_001159350.1)(Gly26-Ala155) was expressed in E. coli with a N-terminal Met.
Species	Canine
Source	E.coli
ProteinLength	Gly26-Ala155
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	1. Measured by its binding ability in a functional ELISA. Immobilized Canine IL17A at 10 μg/ml (100 μl/well) can bind human IL17Ra, The EC50 of human IL17Ra is 6.0-15.0 ng/ml. 2. Measured by its ability to induce IL-6 secretion by HFF human foreskin fibroblast cells. The ED50 for this effect is typically 1-5 ng/mL.
Molecular Mass	The recombinant canine IL17A comprises 131 amino acids and has a predicted molecular mass of 15.2 kDa. The apparent molecular mass of the protein is approximately 15 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Purity	> 90 % 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA