

Active Recombinant Canine IL2 protein(Ala21-Thr155,147Cys/Ser)

Cat. No. IL2-445C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL2 (Q29416) (Ala 21-Thr 155, 147Cys/Ser) was expressed in E. coli, with an initial Met at the N-terminus.
Species	Canine
Source	E.coli
ProteinLength	Ala21-Thr155,147Cys/Ser
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. 2. Immobilized recombinant Canine IL2 at 10 µg/mL can bind recombinant human IL2Ra-Fc with a linear range of 0.3125-20 µg/ml.
Molecular Mass	The recombinant canine IL2 consists of 136 amino acids and has a calculated molecular mass of 15.6 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.
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

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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 of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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