Recombinant Canine IL2 Protein, His tagged

Cat. No. IL2-04C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL2 Protein, Sourced from E.coli, Ala21-Thr155, with N-terminal His Tag.
Species	Canine
Source	E.coli
ProteinLength	21-155 aa
Description	Interleukin-2 (IL-2) is a cytokine signaling molecule that regulates white blood cells. It is produced primarily by T cells after activation by an antigen. IL-2 signals through the IL-2 receptor which leads to the activation of at least 2 major signaling pathways which mediate cell growth, survival, activation induced cell death and differentiation. A pro-inflammatory cytokine, IL-2 activates T cells to produce TNFα as well as IFNγ and controls immune response by contributing to the development of regulatory T cells. Therefore IL-2 plays an important role in antigen specific immune responses.
Form	Lyophilized from 1× PBS with Trehalose
Molecular Mass	17.5 kDa
Purity	>90% by SDS-PAGE
Applications	ELISA and Western Blot Analysis

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

Storage	2 years at -20 to -80 centigrade as supplied. Upon reconstitution: 2 years at -80 centigrade; 2 years at -20 centigrade For long-term storage, store for up to 2 years at -20 & -80 centigrade after reconstitution. Expiration is 2 years from date of receipt.
Shipping	Ambient
Reconstitution	Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% protein.

GENE INFORMATION

Gene Name	IL2 interleukin 2 [Canis lupus familiaris (dog)]
Official Symbol	IL2
Synonyms	IL2; interleukin 2; interleukin-2; IL-2; TCGF; T-cell growth factor
Gene ID	403989
mRNA Refseq	NM_001003305
Protein Refseq	NP_001003305
UniProt ID	Q29416

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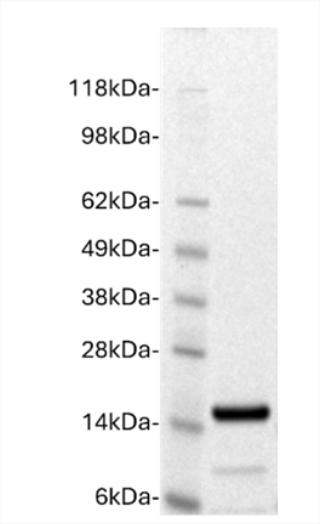
SDS-PAGE



Canine IL-2 (2μg) on a Coomassie stained 4-12% SDS-PAGE gel, reducing conditions.

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