

Recombinant Dog IL2 Protein, His-tagged

Cat. No. IL2-1023D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog IL2 Protein (Met1-Thr155) with His tag was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	Met1-Thr155
Description	This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.7 kDa; Accurate Molecular Mass: 21 kDa
Purity	> 97%

 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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	IL2 interleukin 2 [<i>Canis lupus familiaris</i> (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

 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