

---

## Product Data Sheet

---

Product Name: IL-2 Canine  
 Cat. No.: GP20483  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Interleukin-2; IL-2; T-cell growth factor; TCGF.		
Amino Acid Sequence	MAPITSSSTK ETEQQMEQLL LDLQLLLNGV NNYENPQLSR MLTFKFYTPK KATEFTHLQC LAEELKNLEE VLGLPQSKNV HLTDTKELIS NMNVTLKLLK GSETSYNCEY DDETATITEF LNKWITFSQS IFSTLT.		
Solubility	It is recommended to reconstitute the lyophilized IL-2 in Sterile 10 mM sodium bicarbonate, pH 8.5 at 0.1 mg/mL, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from a sterile (0.2µm) filtered solution containing 20 mM sodium bicarbonate, pH 8.5.		

### Introduction

IL2 is a secreted cytokine that is essential for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 and interleukin 7. The expression of IL2 in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the exact expression of a single gene.

### Biological Activity

The ED50, as determined by CTLL-2 cell proliferation is <5ng/ml corresponding to a specific activity which is  $\geq 2.0 \times 10^5$  units/mg.

### Stability

Lyophilized IL-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL-2 should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

### Background

Interleukin-2 Canine Recombinant produced in E. coli is a non-glycosylated monomer chain containing 136 amino acids and having a molecular mass of 15.6kDa. IL-2 is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**