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IL-2 Canine

Interleukin-2 Canine Recombinant
CYK0409

Product Overview

Name	IL-2 Canine

Description

Interleukin-2 Canine Recombinant

Accession (Primary)	Q29416

Synonyms

Interleukin-2, IL-2, T-cell growth factor, TCGF.

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 IL2in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the exact expression of a single gene.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a sterile (0.2 μm) filtered solution containing 20 mM sodium bicarbonate, pH 8.5.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MAPITSSSTK ETEQQMEQLL LDLQLLLNGV NNYENPQLSR MLTFKFYTPK KATEFTHLQC LAEELKNLEE VLGLPQSKNV HLTDTKELIS NMNVTLLKLK GSETSYNCEY DDETATITEF LNKWITFSQS IFSTLT.

Biological Activity