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IL2 Feline

Interleukin-2 Feline Recombinant
CYK0411

Product Overview

Name	IL2 Feline
Description	
Interleukin-2 Feline Recombinant	
Accession (Primary)	Q07885
Synonyms	
Interleukin-2, IL-2, T-cell growth factor, TCGF, IL2.	
Introduction	
IL2 is a secreted cytokine that is important 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 (IL4) and interleukin 7 (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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IL2 protein solution (0.25mg/ml) containing 20mM Tris-HCl(pH8.0), 0.15M NaCl and 30% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS APASSST KETQQQLEQL LLDLRLLLNG VNNPENPKLS RMLTFKFYVP KKATELTHLQ CLVEELKPLE EVLYLAQSKN FHLNHIKELM SNINVTVLKL KGSETRFTCN YDDETATIVE FLNKWITFCQ SIFSTLT.	
Biological Activity	

Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is less or equal to 0.3ng/ml.

Precautions

IL2 Feline is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q07885)