

Recombinant Feline IL2 protein

Cat. No. IL2-260F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Feline IL2 was expressed in Yeast, therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Feline
Source	Yeast
Description	Interleukin-2 (IL-2) is a cytokine produced by T-helper cells in response to antigenic or mitogenic stimulation. It is required for T-cell proliferation and other activities crucial to the regulation of the immune response. IL-2 was discovered to be a member of a family of cytokines, which also includes IL-4, IL-7, IL-9, IL-15 and IL-21. IL-2 signals through a receptor complex consisting of IL-2 specific IL-2 receptor alpha (CD25), IL-2 receptor beta (CD122) and a common gamma chain (γc). All members of this family use the common gamma chain as part of their signaling complex.
Molecular Mass	The Feline IL-2 recombinant protein has a predicted molecular weight of 15.4 kDa
AA Sequence	APASSSTKET QQQLEQLLLD LRLLLNGVNN PENPKLSRML TFKFYVPKKA TELTHLQCLV EELKPLEEVL YLAQSKNFHL NHIKELMSNI NVTVLKLGKS ETRFTCNYYDD ETATIVEFLN KWITFCQSIF STLT
Applications	The Feline IL-2 endotoxin-free recombinant protein can be used in cell culture, as an IL-2 ELISA Standard, and as a Western Blot Control.

GENE INFORMATION

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Gene Name	IL2 interleukin 2 [Felis catus]
Official Symbol	IL2
Synonyms	interleukin 2; IL-2; IL2; interleukin-2; TCGF; T-cell growth factor
Gene ID	751114
mRNA Refseq	NM_001043337.1
Protein Refseq	NP_001036802.1
MIM	
UniProt ID	Q07885

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