Recombinant Swine IL-2

Cat. No. IL-2-105S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Swine IL-2 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Pig
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.
Form	Lyophilized without carrier protein.
Molecular Mass	Swine IL-2 has a predicted molecular weight of 15.2 kDa.
AA Sequence	APTSSSTKNT KKQLEPLLLD LQLLLKEVKN YENADLSRML TFKFYMPKQA TELKHLQCLV EELKALEGVL NLGQSKNSDS ANIKESMNNI NVTVLELKGS ETSFKCEYDD ETVTAVEFLN KWITFCQSIY STLT
Purity	>95% as visualized by SDS-PAGE analysis.

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Applications	The Swine IL-2 protein can be used in cell culture, as an IL-2 ELISA Standard, and as a Western Blot Control.
Storage	Stable for up to twelve months from date of receipt at -20?C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20?C. Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

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