

Interleukin-2 with its alpha Receptor

Cat. No. CBCRY33 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Source	E.coli
Background	Interleukin-2 (IL-2) is an immunoregulatory cytokine that binds sequentially to the alpha (IL-2Ralpha), beta (IL-2Rbeta), and common gamma chain (gammac) receptor subunits.
Protein Classification	Immune System
Structure Weight	40207.9 Da
Polymer	1
Molecule	Interleukin-2
Chain Length	133 amino acids
PDB ID	1Z92
MMDB ID	33820
Method	X-Ray Diffraction
Resolution	2.80 Å

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Reference

Rickert, M., Wang, X., Boulanger, M.J., Goriatcheva, N., Garcia, K.C. (2005) The structure of interleukin-2 complexed with its alpha receptor. Science 308: 1477-1480

GENE INFORMATION**Gene Name**

IL2

Synonyms

IL-2; TCGF; lymphokine; T cell growth factor; aldesleukin; interleukin-2; involved in regulation of T-cell clonal expansion; Aldesleukin

UniProt ID

P60568

**Chromosome
Location**

4q26-q27

Function

cytokine activity; interleukin-2 receptor binding; protein binding; growth factor activity; kinase activator activity

Gene ID

3558

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