

Interleukin-2 with its alpha Receptor

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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