

Recombinant Human Interleukin-2 His Tag

Cat. No. IL2-402H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Interleukin-2 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 133 amino acids fragment (21-153) having a molecular weight of 20kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The IL-2 His is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	21-153 a.a.
Description	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.
Form	Interleukin-2 His-Tag protein is supplied in 1xPBS, 50% glycerol.
Purity	Greater than 90.0% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered clear solution.

 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

Storage

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

Gene Name IL2 interleukin 2 [Homo sapiens]

Official Symbol IL2

Synonyms

IL-2; TCGF; lymphokine; T-cell growth factor; Aldesleukin, Interleukin-2; interleukin-2 precursor; involved in regulation of T-cell clonal expansion; IL2; interleukin 2

Gene ID 3558

mRNA Refseq NM_000586

Protein Refseq NP_000577

MIM 147680

UniProt ID P60568

Chromosome Location 4q26-q27

Pathway

Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; T cell receptor signaling pathway; Type I diabetes mellitus

Function

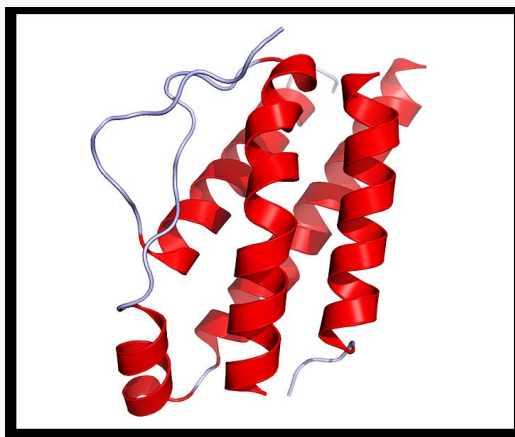
interleukin-2 receptor binding; kinase activator activity

 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

**Human Interleukin
2crystal structure.**



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