

## IL 2 Human, His

**Description:** 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.

**Catalog #:** CYP5-673

For research use only.

**Synonyms:** T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2, IL2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

Interleukin-2 His-Tag protein is supplied in 1xPBS, 50% glycerol.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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