



Interleukin-2, His Tag, human recombinant (rHuIL-2-His)

Catalog No: 97280
Lot No: XXXXX
Source: *E. coli*
Synonyms: T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2, IL2

Background

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.

Description

Interleukin-2 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 133 amino acids (21-153) having a molecular weight of 20 kDa. IL2 is fused with a 4.5 kDa N-terminal hexahistidine tag and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51