

Human IL-2

Subcategory: Recombinant Active Protein

Cat. No.: 600126

Unit: 0.05 mg

Description:

Interleukin-2 (IL-2 or T-cell growth factor) is an immunomodulatory cytokine produced by stimulated T-cells. IL-2 activity is signaled via interaction with the IL-2R receptor. Recombinant IL-2 produced in E. coli is a single non-glycosylated polypeptide chain containing 134 amino acids with a MW of 15,517 Da. Recombinant human IL-2 has a Ser residue instead of Cys at position 126.

Applications: E, WB

Format: Each vial contains 50 ug protein lyophilized in 10 mM sodium citrate pH3.0. Reconstitute with 0.5 ml sterile deionized water for a final concentration of 0.1 mg/ml.

Alternate Names: interleukin-2; IL-2; T-cell growth factor; TCGF; aldesleukin; IL2

Accession No.: P60568

MW: 15517 Da

Sequence: MAPTSSSTKK TQLQLEHLLL DLQMILNGIN
NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV
LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD
ETATIVEFLN RWITFSQSII STLT

Source: E. coli. Endotoxin level as measured by LAL is

Purity: Purity > 90% as determined by RP-HPLC and reducing and non-reducing SDS-PAGE. Protein Content determined by UV spectroscopy at 280 nm and analysis by RP-HPLC calibrated against a known standard. Quantitation on SDS-PAGE against a known standard.

Application Notes: Recombinant Human IL-2 is fully bioactive when compared to standard. The ED50 as measured by the dose-dependent proliferation of CTLL-2 cells is 0.64 ng/ml.

Storage: Store at -20°C. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C. We recommend to add a carrier protein (0.1% HSA or BSA) for long term storage.

For research use only, not for diagnostic or therapeutic procedures.