

Active Recombinant Human IL2 protein

Cat. No. IL2-502H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2 protein(NP_000577.2)(Ala21-Thr153) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala21-Thr153
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.5-2.5 ng/mL. 2. Immobilized CD25/IL2RA Protein, Human, Recombinant (ECD, hFc Tag) at 2 µg/ml (100 µl/well) can bind Recombinant Human IL2 Protein, Low Endotoxin, The EC50 is 2-8 ng/mL.
Molecular Mass	The recombinant human IL2 consists of 133 amino acids and predicts a molecular mass of 15.4 kDa. It migrates as an approximately 18.52 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL2 interleukin 2 [Homo sapiens]
Official Symbol	IL2
Synonyms	IL2; interleukin 2; interleukin-2; IL 2; T cell growth factor; TCGF; aldesleukin; involved in regulation of T-cell clonal expansion; IL-2; lymphokine;
Gene ID	3558
mRNA Refseq	NM_000586
Protein Refseq	NP_000577
MIM	147680
UniProt ID	P60568

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