

Active Recombinant Human IL2 protein, Fc-Avi-tagged, Biotinylated

Cat. No. IL2-0184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IL2 protein(Ala21-Thr153), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-153 a.a.
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human IL-2, Fc,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.2 µg/well) plate, can bind Human IL-2 R alpha, His Tag with a linear range of 1-39 ng/mL. Immobilized Human IL-2 R alpha, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human IL-2, Fc,Avitag with a linear range of 0.6-10 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus and an Avi tag at the C-terminus. The protein has a calculated MW of 43.7 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ala21-Thr153

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.
Conjugation	Biotin

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

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UniProt ID

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