Active Recombinant Human IL2 protein, Fc-tagged

Cat. No. IL2-0182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2 protein(Ala21-Thr153), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-153 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human IL-2 R alpha, His Tag at 5 μg/mL (100 μL/well) can bind Human IL-2 Protein, Fc Tag with a linear range of 0.1-2 ng/mL.Immobilized Human IL-2 Protein, Fc Tag at 5 μg/mL (100 μL/well) can bind Biotinylated Human IL-2 R alpha, His,Avitag with a linear range of 0.3-20 ng/mL.Immobilized Human IL-2 Protein, Fc Tag at 5 μg/mL (100 μL/well) can bind Biotinylated Human IL-2 R beta, His,Avitag with a linear range of 0.005-1.25 μg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus.The protein has a calculated MW of 41.9 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.>90% as determined by SEC-MALS.
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.

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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