

Active Recombinant Human IL2 protein, Low Endotoxin

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

SPECIFICATION

Product Overview	Recombinant Human IL2 protein(P60568)(Ala21-Thr153) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-153 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 0.5-2 ng/mL.
Molecular Mass	The protein has a predicted MW of 15.41 kDa. Due to glycosylation, the protein migrates to 16-20 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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Reconstitution Dissolve the lyophilized protein in distilled water.

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

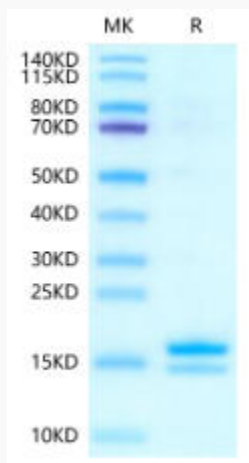
mRNA Refseq NM_000586

Protein Refseq NP_000577

MIM 147680

UniProt ID P60568

Bis-Tris PAGE

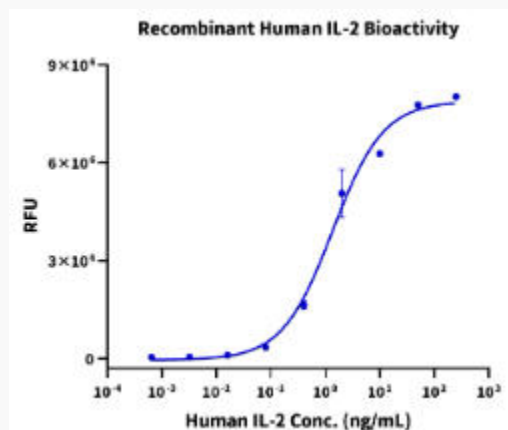


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Cell Based Assay



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