Active Recombinant Human IL2 protein

Cat. No. IL2-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2 was expressed in Insect Cells.
Species	Human
Source	Insect Cells
Form	The protein was 0.22 μm filtered protein solution is in 10mM NaH2PO4, pH 7.2, 150mM NaCl at 0.2 mg/ml.
Bio-activity	ED50 =0.5 - 2.0 ng/ml, corresponding to a specific activity of 0.5 - 2.0x10^6 units/mg, as determined by the dose dependent stimulation of CTLL2 cell proliferation..
Molecular Mass	15.5 kDa
Endotoxin	< 1 EU/μg determined by LAL method.
Purity	>95 % as determined by SDS-PAGE analysis
Applications	Bioassay
Storage	Unopened vial can be stored between 2°C and 8°C for three months, at -20°C for six months, or at -70°C for one year. For maximum results, quick spin vial prior to opening. Stock solutions should be prepared at no less than 10 μg/mL in buffer containing ca

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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
Chromosome Location	4q26-q27
Pathway	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;
Function	carbohydrate binding; cytokine activity; glycosphingolipid binding; growth factor activity; interleukin-2 receptor binding; interleukin-2 receptor binding; kappa-type

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	opioid receptor binding; kinase activator activity;

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