

CELUX® Recombinant Human IL-2 Protein

Cat. no. MCCE006

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CELUX® Recombinant Human IL-2 Protein

Cat. no. MCCE006

1. Product Information

Product name	CELUX® Recombinant Human IL-2 Protein
Cat. No.	MCCE006
Size	10 µg
Storage and shipping	Store at -25 ~ -15 °C for 1 year after receipt. After reconstitution, store at 2~8 °C for 7 days or at -85~-65 °C for 3 months.

2. Product description

Interleukin 2 (IL-2) is a potent immunomodulatory lymphokine produced by T cells in response to antigenic or mitogenic stimuli. IL-2/IL-2R signaling is required for T cell proliferation and other essential functions necessary for immune response. IL-2 stimulates the growth and differentiation of B cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages, oligodendrocytes, growth and differentiation of oligodendrocytes.

This recombinant human IL-2 is supplied as lyophilized powder with high activity, high purity and low endotoxin.

3. Performance parameter

Synonyms	IL2, T-cell Growth Factor, TCGF, Aldesleukin
Source	E.coli-derived human IL-2 protein, Ala21-Thr153,
Accession	P60568
Molecular Weight	Approximately 15.4 kDa.
AA Sequence	APTSSSTKKT QLQLEHLLLD LQMILNGINNYKNPKLTRML TFKFYMPKKA TELKHLQCLE EELKPLEEVL NLAQSKNFHL RPRDLISNIN VIVLELKGSETTFMCEYADETATIVEFLNR WITFCQSIISTLT
Endotoxin	< 1.0 EU/µg by the LAL method.
Purity	> 97%, SDS-PAGE and HPLC.
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 0.1 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁷ IU/mg.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 3.5.
Physical Appearance	White lyophilized powder

4. Compound dissolution method

Centrifuge to bring the contents to the bottom before opening the cap. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL, which can be further diluted according to subsequent experiments, dispense as a single experimental dose and freeze at -20°C ~ -80°C, avoiding repeated freezing and thawing. Do not reconstitute directly in cell culture medium.

5. Note

- 5.1. For your safety and health, please wear lab coat and disposable gloves to operate.
- 5.2. This product is for scientific research purposes only.