

Recombinant Human IL-2 (C-6His)

Catalog No : PMK2146

Known As: Interleukin-2; IL-2; T-Cell Growth Factor; TCGF; Aldesleukin; IL2

PROPERTIES

Description	Recombinant Human Interleukin-2 is produced by our Mammalian expression system and the target gene encoding Ala21-Thr153 is expressed with a 6His tag at the Cterminus.
Accession	P60568
Formulation	Lyophilized from a 0.2 μ m filtered solution of 10mM Sodium Citrate, 4% Mannitol, pH4.0
Size	10 μ g/50 μ g/500 μ g/1mg
Purity	> 95%
Endotoxin	< 0.01 EU/ μ g as determined by LAL test.
Predicted Mol Mass	16.4 KDa
Apparent Mol Mass	14-18 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Background	Interleukin-2(IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system, belongs to the IL-2 family. It is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes.

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