IL-2/TCGF/Aldesleukin, Human, Recombinant

Cat. No. : PCK023

General Information

Synonyms	Interleukin-2; IL-2; T-Cell Growth Factor; TCGF; Aldesleukin; IL2
Species	Human
Expression host	E.coli
Sequence	Ala21-Thr153
Accession	P60568
Mol mass	15.5 KDa
Expiration date	12 months
Bio activity	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The specific activity of Recombinant Human IL-2 is ≥1×10^7 IU/mg.

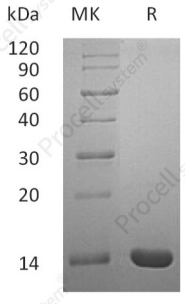
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 10 mM sodium citrate, 4% Mannitol, pH 4.0.
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 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

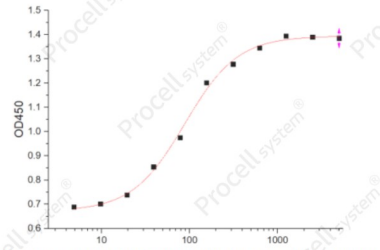
Background

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.

SDS-PAGE



Bio activity



Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The specific activity of Recombinant Human IL-2 is ≥1×10⁷ IU/mg.

Procell system®