

Overview

Synonyms	T-cell growth factor (TCGF), Aldesleukin
Description	Interleukin-2 (IL-2) is a Oglycosylated, four α -helix bundle cytokine that has potent stimulatory activity for antigen-activated T cells. It is expressed by CD4+ and CD8+ T cells, $\gamma\delta$ T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which 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.
Accession No	P60568
Species	Human
Source	HEK 293
Biological Activity	ED50 < 2ng/ml, measured in a cell proliferation assay using CTLL-2 cells.
Sequence	<p>00001 APTSSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML</p> <p>00041 TFKFYMPKKA TELKHLQCLE EELKPLEEVL NLAQSKNFHL</p> <p>00081 RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR</p> <p>00121 WITFCQSIIS TLT</p>

Properties

Measured Molecular Weight	15~16 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxin Level	< 0.2 EU/ μ g, determined by LAL method.
Storage	Lyophilized recombinant Human Interleukin-2 (IL-2) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-2 (IL-2) should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
 Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com