

IL-2, Human CellExp™, human recombinant

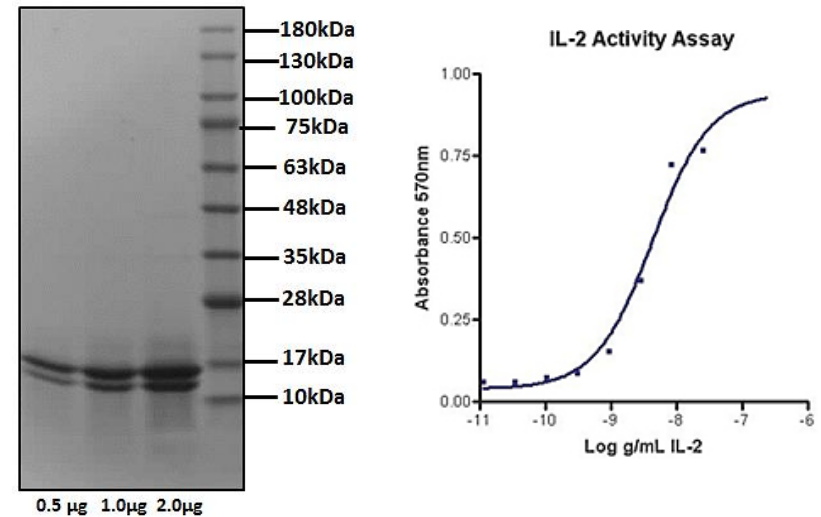
CATALOG #:	6461-10	10 µg
	6461-50	50 µg
ALTERNATE NAMES:	T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2	
SOURCE:	Human 293 Cells	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	15 kDa (monomer, glycosylated)	
FORMULATION:	Lyophilized from a PBS solution.	
RECONSTITUTION:	Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.	
STORAGE CONDITIONS:	Aliquot and store at -20 °C or -70 °C. Avoid repeated freezing and thawing cycles.	
ADVANTAGES:	Animal-free origin High Activity Authentic Glycosylation	

DESCRIPTION:

IL-2 is a potent immuno-modulator, which mediates a wide range of immune and inflammatory responses and is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

BIOLOGICAL ACTIVITY:

ED₅₀ is typically 0.2 to 2 ng/mL. The specific activity was determined by the dose-dependent stimulation of the proliferation of mouse CTLL-2 cells (mouse cytotoxic T cell line).



Human CellExp™ Human Recombinant IL-2

RELATED PRODUCTS:

- IL-2, human recombinant (Cat # 4131-10, -50, -1000)
- IL-2, murine recombinant (Cat # 4132-20, -100, -1000)
- IL-2, rat recombinant (Cat # 4133-20, -100, -1000)
- IL-2 Antibody (Cat # 5133-100)
- IL-2 Antibody (Cat # 5131-100)

FOR RESEARCH USE ONLY! Not to be used in humans.