

## IL-4, Human CellExp™, human recombinant

<b>CATALOG #:</b>	6463-10	10 µg
	6463-50	50 µg
<b>ALTERNATE NAMES:</b>	BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra.	
<b>SOURCE:</b>	Human 293 Cell Expressed	
<b>PURITY:</b>	> 95% by SDS - PAGE	
<b>MOL. WEIGHT:</b>	14 and 19 kDa, monomer	
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1 µg of protein	
<b>FORMULATION:</b>	Lyophilized from a solution of 20 mM Tris-HCl, pH 7.4, with 300 mM NaCl.	
<b>RECONSTITUTION:</b>	Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.	
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.	

**ADVANTAGES:**

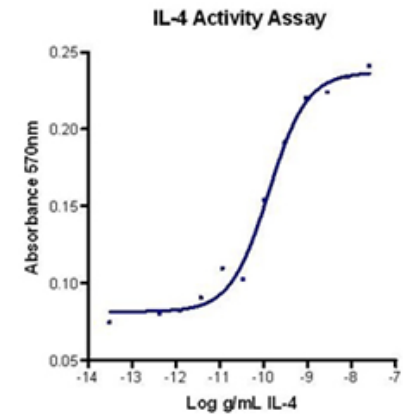
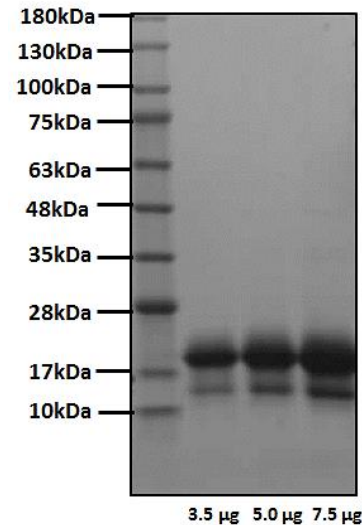
- Animal-derived product free
- High Activity
- Authentic Glycosylation

**DESCRIPTION:**

IL4 is a pleiotropic cytokine and a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. It is produced by activated T cells and is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

**BIOLOGICAL ACTIVITY:**

ED<sub>50</sub> is typically 0.1 to 0.5 ng/mL. The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).



Human CellExp™ Human Recombinant IL-4

**RELATED PRODUCTS:**

- IL-4, human recombinant (Cat # 4137-10, -50, -1000)
- IL-4, murine recombinant (Cat # 4138-10, -1000)
- IL-4, rat recombinant (Cat # 4139-10, -1000)
- IL-4 Antibody (Cat # 5137-200)

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