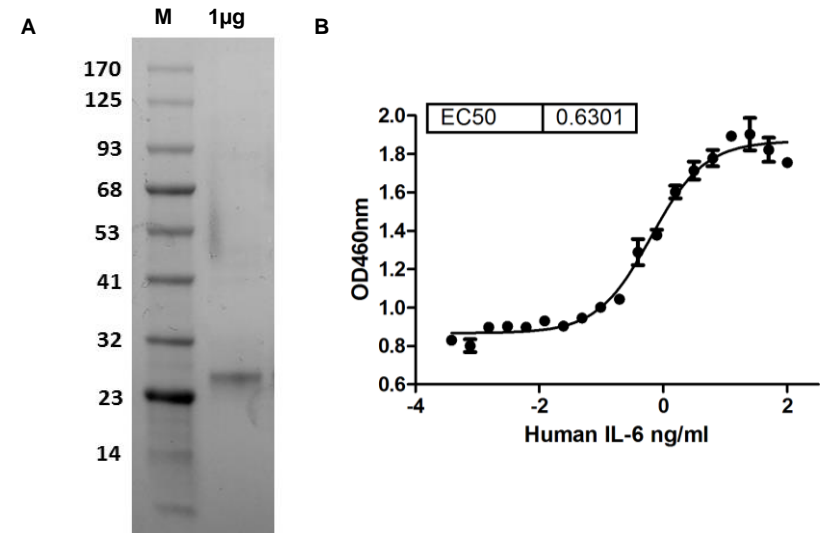


## Human CellExp™ IL-6, Human Recombinant

<b>CATALOG NO:</b>	6464-10	10 µg
	6464-50	50 µg
	6464-250	250 µg
<b>ALTERNATE NAMES:</b>	BSF-2, CDF, IFN-beta-2	
<b>SOURCE:</b>	HEK 293 cells (Val 30 - Met 212)	
<b>PURITY:</b>	> 90% by SDS-PAGE	
<b>MOL. WEIGHT:</b>	This protein is fused with polyhistidine tag at the C-terminus and has a calculated MW of 22.8 kDa (30-212aa). Under reducing conditions the protein migrates as ~23-29 kDa bands in SDS-PAGE.	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS pH 7.4	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water.	
<b>DESCRIPTION:</b>	Interleukin-6, also known as IL-6, is a 23 kDa cytokine secreted by T-cells and macrophages to regulate immune response. IL-6 stimulates inflammation and plays important role in auto-immune diseases. Anti-IL6 immunotherapy has been proven to treat auto-immune diseases such as arthritis and Castleman's disease.	
<b>BIOLOGICAL ACTIVITY:</b>	TF-1 cells were stimulated with human recombinant IL-6 for 36 hrs and cell proliferation was measured using the BioVision Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302). EC <sub>50</sub> < 1 ng/mL	



**Fig. A. SDS-PAGE (4-20%) of Recombinant Human IL-6 (Left):** Human IL-6 recombinant protein loaded under reducing conditions and stained with Coomassie Blue.

**Fig. B. Biological activity of recombinant human IL-6 to stimulate TF-1 cell growth (Right):** TF-1 cells were stimulated with human recombinant IL-6 for 36 hrs and cell proliferation was measured using the BioVision Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302). EC<sub>50</sub> < 1 ng/mL

### RELATED PRODUCT:

- IL-6, human recombinant (Cat. No. 4143)
- IL-6, murine recombinant (Cat. No. 4144)
- IL-6, rat recombinant (Cat. No. 4145)
- IL-6 Antibody (Cat. No. 5143)
- IL-6 Antibody (Cat. No. 5144)
- IL-6 Antibody (Cat. No. 5145)

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