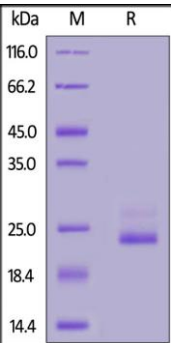


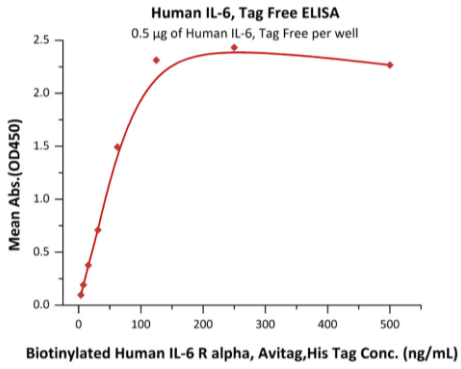
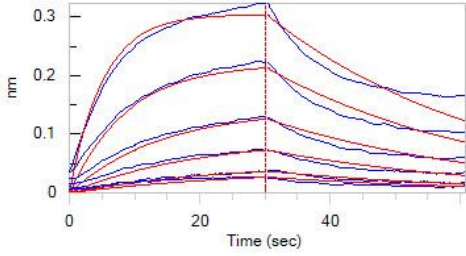
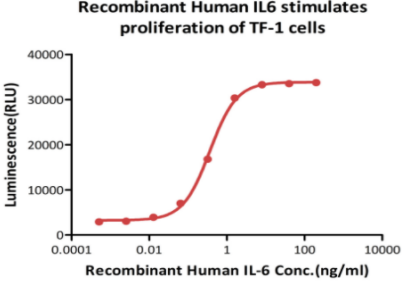
# Recombinant Human Interleukin 6(IL6) Protein

Cat# P0075

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## INFORMATION

<b>Product Name</b>	Recombinant Human Interleukin 6(IL6) Protein	
<b>Cat. No.</b>	P0075	
<b>Size</b>	10ug	
<b>Species</b>	Human	
<b>Biological activity</b>	The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and is typically 0.2-1ng/ml.	
<b>Expression host</b>	HEK293 Cells	
<b>Formulation</b>	The IL6 was lyophilized from 1mg/ml in 1xPBS.	
<b>Endotoxin</b>	< 1.0 EU per µg as determined by the LAL method	
<b>Physical appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL-6 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.	
<b>Purity</b>	>98% (SDS-PAGE)	
<b>Storage instruction</b>	For long term storage, the product should be stored at lyophilized state at -20°C or lower.	
<b>Alias</b>	IFN-b2, B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2, Interferon beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF.	
<b>Image</b>		<p>Recombinant Human Interleukin 6(IL6) Protein on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 98%.</p>

	 <p><b>Human IL-6, Tag Free ELISA</b> 0.5 µg of Human IL-6, Tag Free per well</p> <p>Mean Abs.(OD450)</p> <p>Biotinylated Human IL-6 R alpha, Avitag,His Tag Conc. (ng/mL)</p>	<p>Recombinant Human Interleukin 6(IL6) Protein at 5 µg/mL (100 µL/well) can bind Biotinylated Human IL-6 R alpha, Avitag,His Tag with a linear range of 4-125 ng/mL (QC tested).</p>
	 <p>nm</p> <p>Time (sec)</p>	<p>Recombinant Human Interleukin 6(IL6) Protein on Protein A Biosensor, can bind Recombinant Human Interleukin 6(IL6) Protein with an affinity constant of 35.9 nM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).</p>
	 <p><b>Recombinant Human IL6 stimulates proliferation of TF-1 cells</b></p> <p>Luminescence (RLU)</p> <p>Recombinant Human IL-6 Conc. (ng/ml)</p>	<p>Recombinant Human Interleukin 6(IL6) Protein stimulates proliferation of TF-1 human erythroleukemic cell line. The EC50 for this effect is 0.2856-0.3636 ng/mL (Routinely tested).</p>

## **PRODUCT USE LIMITATION**

These products are intended for research use only.