

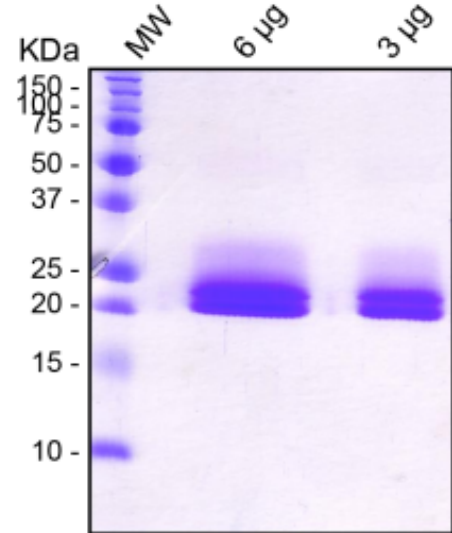
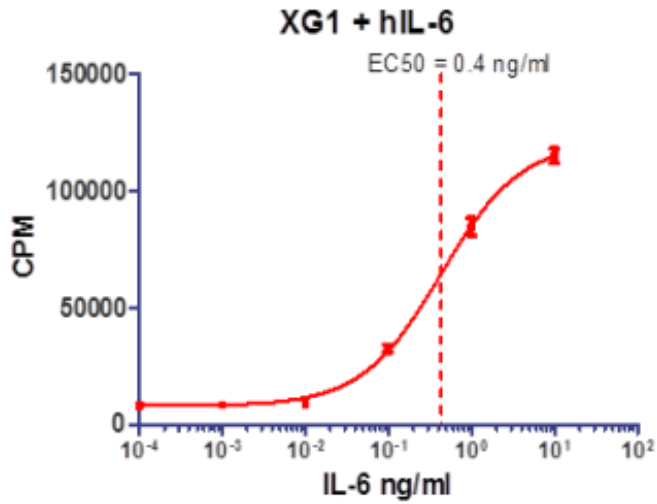
## IL6

### Recombinant Human Interleukin-6 (HEK293) His Tag

<b>Catalog No.</b>	CRI113A CRI113B	<b>Quantity:</b>	25 µg 100 µg
<b>Alternate Names:</b>	Interleukin-6, IL-6, B-cell stimulatory factor 2, BSF-2, CTL differentiation factor, CDF, Hybridoma growth factor, Interferon beta-2, IFN-beta-2		
<b>Description:</b>	Interleukin-6 (IL-6) acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages and plays an essential role in the final differentiation of B-cells into Ig-secreting cells and is involved in lymphocyte and monocyte differentiation. In addition, IL-6 has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. IL-6 is produced at sites of acute and chronic inflammation, where it is secreted and signals through a cell-surface type I cytokine receptor complex consisting of the ligand-binding IL-6R $\alpha$ chain (CD126), and the signal transducing component gp130 (CD130).		
<b>UniProt ID:</b>	P05231		
<b>Source:</b>	HEK293		
<b>Molecular Weight:</b>	21.7 kDa predicted (Ala28-Met212) monomer 21 & 22 kDa apparent SDS-PAGE due to glycosylation		
<b>Formulation:</b>	Lyophilized from a sterile filtered PBS, pH 7.4 containing 1.8 mM trehalose		
<b>Purity:</b>	≥95% by reducing SDS-PAGE		
<b>Purification:</b>	Affinity chromatography followed by ion exchange chromatography		
<b>Tag:</b>	C-terminal His		
<b>Endotoxin Level:</b>	Negative on cell based assay		
<b>Biological Activity:</b>	EC <sub>50</sub> = 0.4 ng/mL, determined by the proliferation of XG1 cells		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for reconstitution. □		
<b>Storage &amp; Stability:</b>	Upon receipt, store at -20 °C to -80 °C for up to 1 year. Upon reconstitution store at 2-8 °C for 1 week or sterile aliquots for 1 year at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

Activity measured in a cell proliferation assay using XG1 cells

SDS-PAGE 15% reducing, Coomassie stain



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