

## IL2

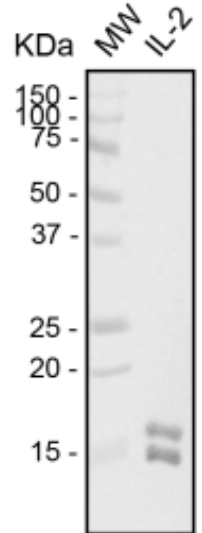
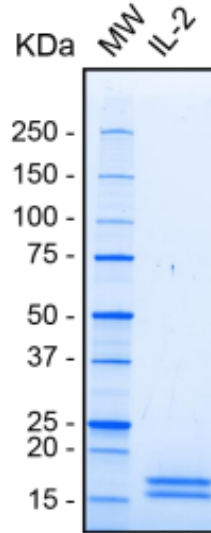
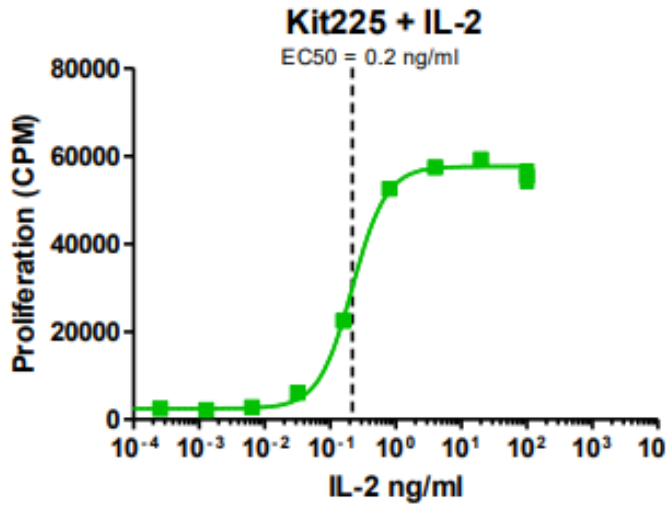
### Recombinant Human Interleukin-2 (HEK293) His Tag

<b>Catalog No.</b>	CRI112A CRI112B	<b>Quantity:</b>	25 µg 100 µg
<b>Alternate Names:</b>	IL-2, T-cell Growth Factor, TCGF, Aldesleukin, Lymphokine		
<b>Description:</b>	Interleukin-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. It is expressed by CD4+ and CD8+ T cells, γδ T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions that are essential for the immune response. The receptor for IL-2 contains three subunits (55 kDa IL2Rα, 75 kDa IL2Rβ, 64 kDa common gamma chain γc/IL2Rγ) that are present on the cell surface in varying preformed complexes.		
<b>UniProt ID:</b>	P60568		
<b>Source:</b>	HEK293		
<b>Molecular Weight:</b>	16.4 kDa predicted (Ala21-Thr153) monomer 17 & 18 kDa, apparent SDS-PAGE due to glycosylation		
<b>Formulation:</b>	Lyophilized from sterile filtered PBS, pH 7.4 containing 1.8 mM Trehalose		
<b>Purity:</b>	≥95% by SDS-PAGE		
<b>Purification:</b>	Affinity chromatography followed by ion exchange chromatography		
<b>Endotoxin Level:</b>	Negative by cell based assay		
<b>Tag:</b>	C-terminal His tag		
<b>Biological Activity:</b>	EC <sub>50</sub> = 0.2 ng/ml, determined by the dose-dependent proliferation of Kit225 cells		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile water to a concentration of 0.1 mg/mL. <b>DO NOT VORTEX.</b> Allow several minutes for complete 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 as sterile aliquots for 1 year at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		



Biological Activity measured in a cell proliferation assay using Kit225 cells

SDS-PAGE ((reducing) & Western blot



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