

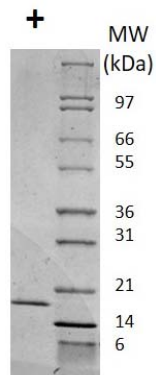
## IL2

### Recombinant Mouse Interleukin-2

<b>Catalog No.</b>	CRI145A CRI145B CRI145C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	IL-2, lymphokine, aldesleukin, T cell growth factor		
<b>Description:</b>	Interleukin-2 (IL-2) is an immunomodulatory cytokine that is produced by lymphocytes. IL-2 signals through the IL-2R receptor to induce activated T cell proliferation and promote T cell differentiation. IL-2 also stimulates the proliferation and differentiation of B cells, natural killer cells, monocytes, and macrophages. IL-2 plays a central role in the expansion and maintenance of regulatory T cells, although it inhibits the development of Th17 polarized cells.		
<b>Gene ID:</b>	16183		
<b>Protein Accession No.:</b>	P04351		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Monomer, 17.4 kDa (150 aa)		
<b>Formulation:</b>	Lyophilized from sterile filtered aqueous solution containing 10 mM sodium citrate, pH 4.0.		
<b>Purity:</b>	>95% by nonreducing and reducing SDS-PAGE		
<b>Endotoxin Level:</b>	< 0.05 EU/µg		
<b>Biological Activity:</b>	The ED <sub>50</sub> as determined by a cell proliferation assay using murine CTLL-2 cells is less than 1.12 ng/mL.		
<b>Specific Activity:</b>	8.9 x 10 <sup>5</sup> U/mg or 1.14 x 10 <sup>6</sup> RU/mg when compared to NIBSC standard		
<b>Amino Acid Sequence:</b>	MAPTSSSTSS STAEAQQQQQ QQQQQQHHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLGSDNTFE CQFDDESATV VDFLRRWIAF CQSIISTSPQ		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile 10mM acetic acid to a concentration of 0.1 mg/mL. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	Store desiccated at -20 °C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots containing 0.1% BSA at -20 °C to -80 °C. <b>Avoid repeated freeze-thaw cycles.</b>		



Figure: 1  $\mu$ g run under (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



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