

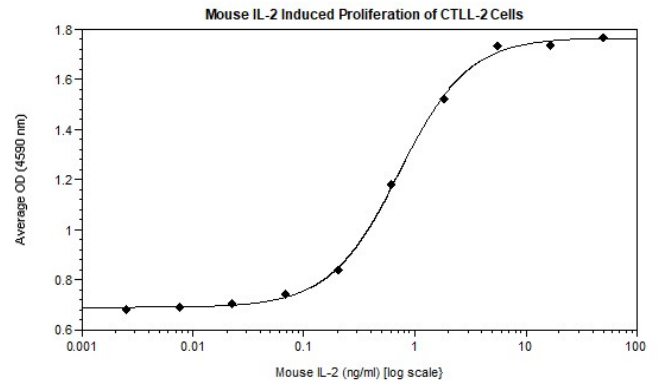
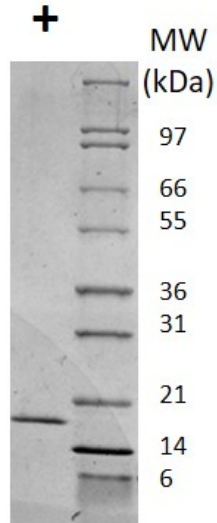
II2

Recombinant Mouse Interleukin-2

Catalog No.	CRI145A CRI145B CRI145C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Interleukin-2, IL-2, T cell growth factor, TCGF		
Description:	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.		
UniProt ID:	P04351		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 17.4 kDa (150 aa)		
Formulation:	Lyophilized from sterile filtered aqueous solution containing 10 mM sodium citrate, pH 4.0.		
Purity:	≥95% by nonreducing and reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg, by kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 5 ng/ml, as determined by proliferation assay of murine CTLL-2 cells.		
Amino Acid Sequence:	MAPTSSSTSS STAEAQQQQQ QQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSNDNTE CQFDDESATV VDFLRRWIAF CQSIISTSPQ		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 10mM acetic acid to a concentration of 0.1 mg/mL. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C for up to 1 month or prepare working aliquots and store at -20°C to -80°C for up to 3 months. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		



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



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