



Interleukin-2 Mouse Recombinant, His Tag

Item Number	rAP-0622
Synonyms	Interleukin-2, T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2, IL2.
Description	Interleukin-2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (21-169 a.a) and having a molecular mass of 19.5kDa. The mouse IL-2 is fused to a 20 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P04351
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAPTSSSTSS STAEAQQQQQ QQQQQQHLE QLLMDLQELL SRME-NYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSNTFE CQFDESATV VDFLRRWIAF CQSVISTSPQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
Formulation and Purity	The Mouse IL2 protein (0.5mg/ml) is supplied in Phosphate Buffered Saline (pH7.4) 0.1M NaCl, and 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is < 2.5 ng/ml, corresponding to a specific activity of less than 400,000units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**