

# IL-2 Protein (Active), Human

# DATA SHEET

**Catalog number:** IRRP7012

**Product Name:** IL-2 Protein (Active), Human

**Package:** 0.1mg and 1mg

**Species:** Human

**Expression System:** E. Coli

**Molecular Weight:** The protein has a calculated MW of 15.7 kDa, and is observed at 17 kDa under reducing condition (SDSPAGE analysis).

**Purity:** > 95 % as determined by SDS-PAGE

**Formulation:** Lyophilized form

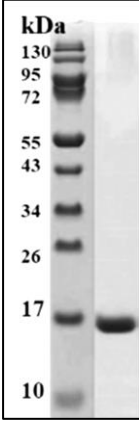
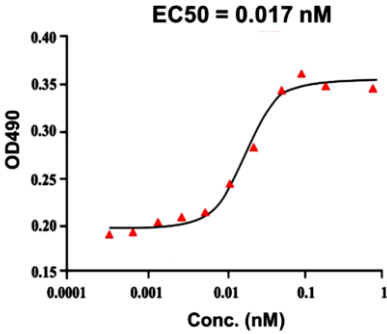
**Biological Activity:** ED50 is < 0.1 ng/ml. ED50 was determined by a cell proliferation assay using CTLL-2 cells.

**Endotoxin:** <0.5 EU/μg as determined by LAL method

**Storage buffer:** 20 mM phosphate, 150 mM NaCl, pH 7.4

**Storage instructions:** Store the lyophilized protein at -20°C to -80°C for long-term. After reconstitution, the protein solution is stable at -20°C for 3month, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Data Image

	
<p><b>SDS-PAGE analysis.</b> 1ug of IL-2 protein (Active), Human was load and separated by SDS-PAGE under reducing conditions and visualized by Coomassie blue stain.</p>	<p><b>Activity analysis.</b> IL-2 protein (Prolonged Active), Human induced CTLL-2 cell proliferation, with the ED50 &lt; 0.5 nM.</p>