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## Product Datasheet

### Human IL2 protein, His tag (active), Unconjugated GTX00092-PRO

Article Name	Human IL2 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00092-PRO
Supplier Catalog Number	GTX00092-pro
Alternative Catalog Number	GTX00092-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">3558</a>
UniProt	<a href="#">P60568</a>
Buffer	Reconstitute with 10mM PBS (pH7.4) to 0.1-1.0mg/ml. Do not vortex. Lyophilized from PBS (pH7.6), 5% Trehalose, no preservatives.
Expression System	HEK293 cells
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ala21~Thr153 (NP_000577.2)

Application Notes

IL2 (Interleukin-2) is a cytokine produced by T-cells in response to antigenic or mitogenic stimulation. IL2 is a type of signaling molecule in the immune system, that is required for both T-cell and B-cell proliferation and other activities crucial to regulation of the immune response. Recombinant human IL2 shares 56% AA sequence identity with mouse IL2, suggesting the exist of cross-species activity. Therefore, in order to detect the bioactivity of rhIL2, a cell proliferation assay has been conducted using CTLL-2 mouse cytotoxic T cells. Briefly, CTLL-2 cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well with or without the addition of various concentrations of IL2. After incubated for 48h, cells were observed by inverted microscope. Proliferation of CTLL-2 cells after incubation with IL2 for 48h observed by inverted microscope.