

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Recombinant Rat IL-2 (C-6His) EBT-EPT090

Article Name	Recombinant Rat IL-2 (C-6His)
Biozol Catalog Number	EBT-EPT090
Supplier Catalog Number	EPT090
Alternative Catalog Number	EBT-EPT090-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Rat Interleukin-2 is produced by our Mammalian expression system and the target gene encoding Ala21-Gln155 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 16.3 KDa. Apparent molecular weight: 14-16 KDa, reducing conditions
UniProt	P17108
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Background: Interleukin-2(IL-2)is a O-glycosylated four alpha-helix bundle cytokine that has potent stimulatory activity for antigenactivated T cells. It is expressed by CD4+ and CD8+ T cells, gammadelta T cells, B cells, dendritic cells, and eosinophils. Mature rat IL-2 shares 66% and 73% amino acid sequence identity with human and mouse IL-2,respectively. The receptor for IL-2 consists of three subunits that are present on the cell surface in varying preformed complexes. IL-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes