

Recombinant Rat Interleukin-2

Catalog No: #AP60226

Package Size: #AP60226-1 5ug #AP60226-2 100ug #AP60226-3 500ug

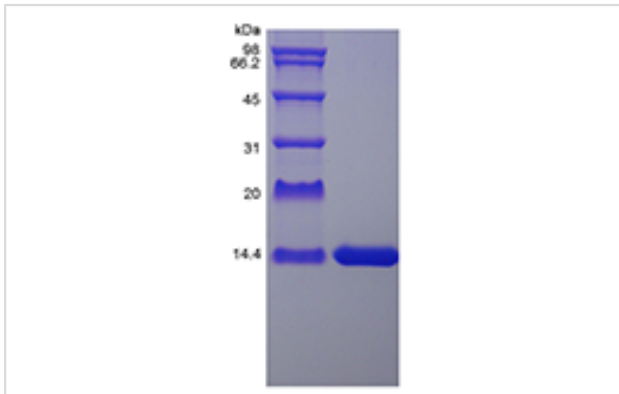
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Description

Product Name	Recombinant Rat Interleukin-2
Host Species	E.coli
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	T-cell Growth Factor, CGF
Uniprot	P17108
GeneID	116562
Calculated MW	Approximately 15.5 kDa, a single non-glycosylated polypeptide chain containing 135 amino acids.
Target Sequence	APTSSPAKET QQHLEQLLLD LQVLLRGIDN YKNLKLPMML TFKFYLPKQA TELKHLQCLE NELGALQRVL DLTQSKSFHL EDAGNFISNI RVTVVKLKGK ENKFECQFDD EPATVVEFLR RWIAICQSII STMTQ
Formulation	LyophilizedB fromB aB 0.2B umB filteredB concentratedB solutionB inB PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

IL-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. It is expressed by CD4+ and CD8+ T cells, γ and δ T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. The receptor for IL-2 consists of three subunits (55 kDa IL2R α , 75 kDa IL2R β , 64 kDa common gamma chain γ c/IL2R γ) that are present on the cell surface in varying preformed complexes. Recombinant rat IL-2 is a 15.3 kDa protein containing 134 amino acid residues and it shares about 82 %, 66 %, 66 %, 60 % and 54 % amino acid sequence identity with mouse, human, rhesus macaque, pig and equus caballus IL-2, respectively.

Note: This product is for in vitro research use only