

Canine IL-2 Recombinant Protein



RPPB0491

Product Information Protein Information

Product SKU:

RPPB0491

Accession:

Q29416

Host:

Escherichia Coli.

Protein description:

Interleukin-2 Canine Recombinant produced in E. coli is a non-glycosylated monomer chain containing 136 amino acids and having a molecular mass of 15.6kDa. IL-2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interleukin-2, IL-2, T-cell growth factor, TCGF.

Formulation:

The protein was lyophilized from a sterile (0.2µm) filtered solution containing 20 mM sodium bicarbonate, pH 8.5.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL-2 in Sterile 10 mM sodium bicarbonate, pH 8.5 at 0.1 mg/mL, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MAPITSSSTK ETEQQMEQLL LDLQLLNGV NNYENPQLSR MLTFKFYTPK KATEFTHLQC LAEELKNLEE
VLGLPQSKNV HLTDTKELIS NMNVTLKLG GSETSYNCEY DDETATITEF LNKWITFSQS IFSTLT.

Biological Activity:

The ED50, as determined by CTLL-2 cell proliferation is <5ng/ml corresponding to a specific activity which is $\geq 2.0 \times 10^5$ units/mg.