

# Equine IL 2 Recombinant Protein



RPPB0485

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## Product Information   Protein Information

**Product SKU:**

RPPB0485

**Accession:**

P37997

**Host:**

Escherichia Coli.

**Protein description:**

Recombinant Equine Interleukin-2 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 129 amino acids (with a substitution of S for C - at position 141 compared with the wild type IL2) and having a molecular mass of 14.9kDa. The IL-2 Equine is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Interleukin-2, IL-2, T-cell growth factor, TCGF, IL2.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 6.0.

**Purity:**

Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.

**Solubility:**

It is recommended to reconstitute the lyophilized IL2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

APTSSSKRET QQQLKQLQMD LKLLLEGVNN NKNPKLSKML TFKINMPKKA TELKHLQCLE EELKPLEEML  
KNFLSKDIKE LMSNINVTVL GLKGSETRFT CEYDDETGTI VEFLNKWITF SQSIFSTMT.

**Biological Activity:**

The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/mg.