

## Active Recombinant Horse IL2 protein

**Cat. No.** IL2-113E    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Horse IL2 protein(P37997)(21-149 aa) was expressed in E.coli.                                                                                                                                  |
| <b>Species</b>          | Horse                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 21-149 aa                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 6.5.                                                                                                                                           |
| <b>Bio-activity</b>     | Fully biologically active when compared to standard. 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. |
| <b>Molecular Mass</b>   | Approximately 14.9 kDa, a single non-glycosylated polypeptide chain containing 129 amino acids.                                                                                                                   |
| <b>AASequence</b>       | APTSSSKRET QQQLKQLQMD LKLLLEGVNN NKNPKLSKML TFKINMPKKA<br>TELKHLQCLE EELKPLEEML KNFLSKDIKE LMSNINVTVL GLKGSETRFT<br>CEYDDETGTI VEFLNKWITF SQSIFSTMT                                                               |
| <b>Endotoxin</b>        | Less than 0.1 EU/g of rEqIL-2 Cys141Ser as determined by LAL method.                                                                                                                                              |
| <b>Purity</b>           | >97% by SDS-PAGE and HPLC analyses.                                                                                                                                                                               |

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**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.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

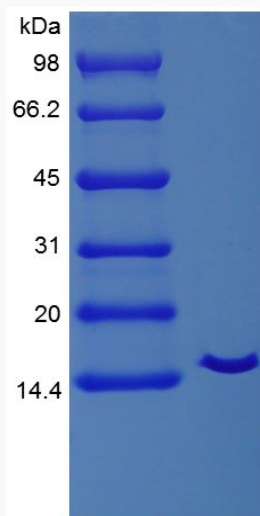
## GENE INFORMATION

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| <b>Gene Name</b>       | IL2 interleukin 2 [ <a href="#">Equus caballus</a> ]                 |
| <b>Official Symbol</b> | <a href="#">IL2</a>                                                  |
| <b>Synonyms</b>        | IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; IL-2; |
| <b>Gene ID</b>         | <a href="#">100034204</a>                                            |
| <b>mRNA Refseq</b>     | <a href="#">NM_001085433</a>                                         |
| <b>Protein Refseq</b>  | <a href="#">NP_001078902</a>                                         |

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**SDS-PAGE**

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