

**PRODUCT:** Recombinant Guinea Pig IL-2

**CATALOG NUMBER:** 610001

**DESCRIPTION:**

**Expression Host:** HEK293

**Protein Sequence:** Genbank Acc# NM\_001172837 (A21 - T152)

**Tag:** C-terminal His(6x)

**SPECIFICATIONS:**

**Molecular Weight:** 16.0kDa, under reducing conditions. Protein may appear larger than predicted molecular weight due to glycosylation.

**Activity:** React with Guinea Pig anti-IL-2 antibodies

**Purity:** >90% by Coomassie Blue stained SDS-PAGE gels.

**PREPARATION AND STORAGE:**

**Concentration and Buffer:** As indicated on each product, PBS

**Preservative:** None, unless specified.

**Storage:** -70°C. Avoid multiple freeze-thaw cycles.

**BACKGROUND:**

IL-2 is a 15.5-16kDa cytokine secreted mainly by activated T cells that stimulates the growth and differentiation of T cells and other immune cells, including B cells, monocytes and NK cells [1] [2]. It plays important immunostimulatory and immunoregulatory roles [3].

**COUNTRY OF ORIGIN:** USA

**NOTE:** For *in vitro* research use only. Not for diagnostic or therapeutic use.

**REFERENCES:**

- [1] S. Mitra and W. J. Leonard, "Biology of IL-2 and its therapeutic modulation: Mechanisms and strategies," *J. Leukoc. Biol.*, vol. 103, no. 4, pp. 643–655, Mar. 2018, doi: 10.1002/JLB.2RI0717-278R.
- [2] N. Arenas-Ramirez, J. Woytschak, and O. Boyman, "Interleukin-2: Biology, Design and Application," *Trends Immunol.*, vol. 36, no. 12, pp. 763–777, Dec. 2015, doi: 10.1016/j.it.2015.10.003.
- [3] M. F. Bachmann and A. Oxenius, "Interleukin 2: from immunostimulation to immunoregulation and back again," *EMBO Rep.*, vol. 8, no. 12, pp. 1142–1148, Dec. 2007, doi: 10.1038/sj.embor.7401099.