

Recombinant Guinea Pig IL-15

Cat. No. IL15-80G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Guinea Pig IL-15 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Description	Interleukin 15 (IL-15) is a cytokine with structural similarity to IL-2 that is secreted by mononuclear phagocytes (and some other cells) following infection by virus(es). This cytokine induces cell proliferation of natural killer cells; cells of the innate immune system whose principal role is to kill virally infected cells. IL-15 was discovered to be a member of a family of cytokines, which also includes IL-2, IL-4, IL-7, IL-9, and IL-21. The specific receptor for IL-15, IL-15 receptor alpha, appears to regulate IL-15 secretion, stability, and activity. All members of this family use the common gamma chain as part of their signaling complex. IL-15 has been shown to play a role in many diseases, including obesity, influenza, and inflammatory autoimmune diseases.
Source	Yeast
Species	Guinea Pig
Form	Lyophilized
Molecular Mass	13.1 kDa
AA Sequence	SWHDVIYDLK RIENLIQSIH IDATLYTESD VHPNCKITAM KCFLLELRVI LHSRNEDIH ETITNLIILA NSSLNSNGNV TESGCKECEE LEEKSIAEFL QSFVHIVQMF INTS (114)
Applications	The Guinea Pig IL-15 protein can be used in cell culture, as an IL-15 ELISA Standard,

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and as a Western Blot Control.

Storage -20 C

GENE INFORMATION

Gene Name	Il15 interleukin 15 [Cavia porcellus]
Official Symbol	IL15
Synonyms	IL15; interleukin 15; interleukin-15; IL-15;
Gene ID	100379533
mRNA Refseq	NM_001172829
Protein Refseq	NP_001166300

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