



IL-15 Recombinant Protein

CATALOG NUMBER: 40-260

Specifications	
SPECIES:	Human
SOURCE SPECIES:	E. coli
SEQUENCE:	MNWWNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLELQV ISLESGDASI HDTVENLIL ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS
TESTED APPLICATIONS:	
BIOLOGICAL ACTIVITY:	The ED50 was determined by the dose - dependent stimulation of the proliferation of CTLL - 2 cells was found to be ≤ 0.5 ng/mL, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.

Properties	
PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per ug (1EU/ug).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized IL-15 recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted IL-15 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing IL-15 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Additional Info	
ALTERNATE NAMES:	P600, IL-13, NC30, Interleukin-13
ACCESSION NO.:	NP_002179.2
PROTEIN GI NO.:	26787978

Background

IL-15 is an immunomodulating cytokine that stimulates the proliferation of T lymphocytes and shares many biological properties with IL-2. IL-15 exerts its biological activities primarily on T cells. It is also essential in the development, survival and activation of NK cells. Increased expression of IL-15 has been implicated with rheumatoid arthritis, inflammatory bowel disease and diseases affiliated with retroviruses HIV and HTLV-I. Human IL-15 is biologically active on mouse cells as measured by the dose-dependent stimulation of the proliferation of mouse CTLL cells. Recombinant human IL-15 is a 12.9 kDa protein consisting of 114 amino acid residues.

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