

Recombinant Human IL15, StrepII-tagged

Cat. No. IL15-270H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Purified, full-length human recombinant IL15 protein (amino acids 30-162, 133 a.a.) with StrepII tag, produced in human cells. Predicted molecular weight: 14.7 kDa. (Accession NP_000576; UniProt P40933)

Species Human

Source Human Cells

ProteinLength 30-162, 133 a.a.

Description IL15 is a cytokine that regulates T and natural killer cell activation and proliferation. IL15 and IL2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6.

Form Lyophilized from sterile 0.2µm filtered solution in 0.3X PBS with 10% Trehalose (carrier-free).

AA Sequence GIHVFILGCFSAGLPKTEANWVNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAM
KCFLLQLQVISLESGD ASIHDTVENLILANNSLSSNGNVTESGCKECEELEEKNIKEF
LQSFVHIVQMFINTS

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Endotoxin	<0.1 eu per ug protein by lal
Purity	>80% by SDS-PAGE
Storage	12 months at -20°C as supplied; 1 month at 4°C after reconstitution. Avoid freeze/thaw cycles.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in PBS to a concentration of 0.1 mg/ml.

GENE INFORMATION

Gene Name	IL15 interleukin 15 [Homo sapiens]
Official Symbol	IL15
Synonyms	IL15; interleukin 15; interleukin-15; IL 15; MGC9721; IL-15;
Gene ID	3600
mRNA Refseq	NM_000585
Protein Refseq	NP_000576
MIM	600554
UniProt ID	P40933
Chromosome Location	4q31
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;

Function

cytokine activity; cytokine receptor binding; protein binding;

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