

# Recombinant Human IL15 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** IL15-6361H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	IL15 MS Standard C13 and N15-labeled recombinant protein (NP_751914) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 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. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Alternatively spliced transcript variants of this gene have been reported.</p>
<b>Molecular Mass</b>	14.7 kDa
<b>AA Sequence</b>	MRISKPHLRISISIQCYLCLLLNSHFLTEAGIHVFI LGCF SAGLPKTEANWVNVISDLKKI EDLIQSMHIDATLYTESDVHPSCKVTAMKCFLELQVISLESGDASIHTVENLILANN

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SLSSNGNVTESGCKECEELEEKNIKEFLQSFVHIVQMFINTSTRTRPLEQKLISEEDLA  
ANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** IL15 interleukin 15 [ Homo sapiens (human) ]

**Official Symbol** IL15

**Synonyms** IL15; interleukin 15; interleukin-15; IL 15; MGC9721; IL-15;

**Gene ID** 3600

**mRNA Refseq** NM\_172174

**Protein Refseq** NP\_751914

**MIM** 600554

**UniProt ID** P40933

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