

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

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

SPECIFICATION

Product Overview	IL15 MS Standard C13 and N15-labeled recombinant protein (NP_751914) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	14.7 kDa
AA Sequence	MRISKPHLRISISIQCYLCLLLNSHFLTEAGIHVFILGCFSAGLPKTEANWVNVISDLKKI EDLIQSMHIDATLYTESDVHPSCKVTAMKCFLELQVISLESGDASIHDTVENLIILANN

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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

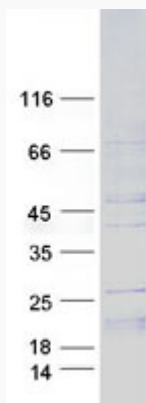
MIM 600554

UniProt ID P40933

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SDS-PAGE

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