

## Recombinant Human IL15 Protein

**Cat. No.** IL15-507H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human IL15 protein
<b>Species</b>	Human
<b>ProteinLength</b>	291
<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>Form</b>	Lyophilized
<b>AA Sequence</b>	<p>MQRARPTLWAAALTLVLLRGPPVARAGASSAGLGPVVRCEPCDARALAQCAPPPA  VCAELVREPGCGCCLTCALSEGQPCGIYTERCGSGLRCQSPDEARPLQALLDGR  GLCVNASAVSRLRAYLLPAPPAPGNASESEEDRSAGSVESPSVSSTHRVSDPKFHP  LHSKIIIIKKGHAKDSQRYKVDYESQSTDTQNFSSSESKRETEYGPCRREMEDTLNHLK</p>

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FLNVLSPRGVHIPNCDKKGIFYKKKQCRPSKGRKRGFCWCVDKYGQPLPGYTTK GK  
EDVHCYSMQSK

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## 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\_000585

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**Protein Refseq** NP\_000576

**MIM** 600554

**UniProt ID** P40933

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