

## Recombinant Human IL15 Protein, Mature chain, Tag Free, Biotinylated

Cat. No. IL15-150H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human Interleukin-15 protein was developed from HEK293.

**Species** Human

**Source** HEK293

**ProteinLength** Mature chain

#### Description

The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukin 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.

**Conjugation/Label** Biotin

**Form** Lyophilised

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<b>Endotoxin</b>	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
<b>Notes</b>	FOR RESEARCH USE ONLY (RUO).
<b>Storage</b>	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at -20 centigrade for six months, with a carrier protein without detectable loss
<b>Storage Buffer</b>	Lyophilised from 0.2 μm filtered PBS solution pH 7.5.
<b>Reconstitution</b>	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	IL15 interleukin 15 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL15
<b>Synonyms</b>	IL15; interleukin 15; interleukin-15; IL 15; MGC9721; IL-15;
<b>Gene ID</b>	3600
<b>mRNA Refseq</b>	NM_000585
<b>Protein Refseq</b>	NP_000576
<b>MIM</b>	600554

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UniProt ID

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