

Recombinant Goat IL15 Protein, His-tagged

Cat. No. IL15-2291G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Goat IL15 Protein (Thr27-Ser161) with a N-His tag was expressed in E. coli.
Species	Goat
Source	E.coli
ProteinLength	Thr27-Ser161
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19 kDa Accurate Molecular Mass: 26&21&18 kDa

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	IL15 interleukin 15 [<i>Capra hircus</i> (goat)]
Official Symbol	IL15
Synonyms	IL15; interleukin 15; interleukin-15
Gene ID	102180957
mRNA Refseq	XM_018061562
Protein Refseq	XP_017917051

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UniProt ID

W6CJ39

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