9051 Mira Mesa Blvd, #910094
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IL 15 Human, His

Interleukin-15 Human Recombinant, His Tag
CYK0255

Product Overview

Name	IL 15 Human, His
Description	
Interleukin-15 Human Recombinant, His Tag	
Accession (Primary)	P40933
Synonyms	
IL-15, MGC9721.	
Introduction	
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. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
IL-15 His is supplied in 20mM Tris-HCl buffer (pH 8.0) 0.2mM PMSF and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLELQV ISLESGDASI HDTVENLIIL	

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ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTSLEHHH HHH.

Biological Activity

Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is < 2.5ng/ml, corresponding to a Specific Activity of 400,000units/mg.

Precautions

IL 15 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P40933)