9051 Mira Mesa Blvd, #910094
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IL 22 Human

Interleukin-22 Human Recombinant
CYK0300

Product Overview

Name	IL 22 Human
Description	
Interleukin-22 Human Recombinant	
Accession (Primary)	Q9GZX6
Synonyms	
IL-TIF, TIFa, IL-10-related T-cell-derived-inducible factor, IL-22, ILTIF, IL-D110, zcyto18, MGC79382, MGC79384, TIFIL-23.	
Introduction	
IL-22 is a member of the IL-10 family of regulatory cytokines.Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Produced by T lymphocytes, IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals through a receptor system consisting of IL-10R-beta/CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Each mg contains 50mM Phosphate buffer pH=7.1.	
Stability	
Lyophilized Interleukin-22 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL22 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Pro-Ile-Ser.	
Biological Activity	

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The Biological Activity was determined by the ability to activiate STAT following receptor ligand interaction.

Solubility

It is recommended to reconstitute the lyophilized Interleukin -22 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 22 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9GZX6)