

32-1493: IL 22 Recombinant Protein

Alternative Name IL-TIF,TIFa,IL-10-related T-cell-derived-inducible factor,IL-22,ILTIF,IL-
: D110,zcyto18,MGC79382,MGC79384,TIFIL-23.

Description

Source : Escherichia Coli. Interleukin-22 Human Recombinant produced in E.Coli is a single, non-glycosylated homodimeric polypeptide chain containing 2 x 146 amino acids and having a total molecular mass of 33,607 Dalton. The IL-22 is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Each mg contains 50mM Phosphate buffer pH=7.1.
Storage condition :	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.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Pro-Ile-Ser.

Application Note

It is recommended to reconstitute the lyophilized Interleukin -22 in sterile 18MΩ·cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The Biological Activity was determined by the ability to activate STAT following receptor ligand interaction.