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rHuIL-22

Recombinant Human Interleukin-22

Product	Cat#	Package size
Recombinant Human Interleukin-22	**C6080.0002**	**2µg**
Recombinant Human Interleukin-22	**C6080.0010**	**10µg**
Recombinant Human Interleukin-22	**C6080.1000**	**1mg**

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

Product description

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.

DESCRIPTION

Recombinant Human IL-22 produced in *E.coli* is a non-glycosylated homodimeric polypeptide of 2 x 147 amino acids and a molecular weight of 36.6 kDa.

Source: *Escherichia coli*

Biological activity

The ED50 as determined by inducing IL-10 secretion of human COLO 205 cells is less than 0.3ng/mL, corresponding to a specific activity of >3.3 x 10E6 IU/mg.

Purity: Greater than 97% by SDS-PAGE and HPLC analysis.

Amino acid sequence

MAPISSHCRL DKFNFQQPYI TNRTFMLAKE ASLADNNTDV RLIGEKLFHG VSMSERCYLM KQVLNFTLEE VLFPQSDRFQ PYMQEVVPFL ARLSNRLSTC HIEGDDLHIQ RNVQKLKDTV KKLGESGEIK AIGELDLLFM SLRNCAI

Formulation: The protein is lyophilized from a .2µm filtered concentrated solution in PBS, pH5.0.

Solubility / Reconstitution

It is recommended to briefly centrifuge the vial prior to opening to bring the contents to the bottom. Reconstitute the lyophilised rHuIL-22 in sterile water not less than 100µg/mL, which can then be further diluted to other aqueous solutions.

Stability

Lyophilised rHuIL-22 although stable at room temperature for 3 weeks, should be stored desiccated at -20°C. Reconstituted rHuIL-22 is best stored refrigerated at +2°C to +8°C between 2-7 days and at -20°C for long term storage. For long term storage it is recommended to add a carrier protein (e.g., 0.1% HSA or BSA).

Please prevent from repeated freeze-thaw cycles.

Usage

This product is **for research/laboratory usage only**. It may not be used as drug, agricultural or pesticidal product, food additive or household chemical.

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