

## Active Recombinant Human IL22 Protein

Cat. No. IL22-178I Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL22 Protein without tag was expressed in HEK 293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Interleukin-22 (IL-22) is a member of the IL-10 family of regulatory cytokines which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. 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-β/CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	Active, measured by its ability to activate STAT following receptor ligand interaction.
<b>Molecular Mass</b>	16~28 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	APISSHCRLDKSNFQQPYITNRTFMLAKEASLADNNTDVRLLIGEKLFGVSMSERCY LMKQVLNFTLEEVLPQSDRFQPYMQEVVPFLARLSNRLSTCHIEGDDLHIQRNVQK LKDTVKKLGESGEIKAIGELDLLFMSLRNACI
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.

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<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Storage</b>	Lyophilized recombinant Human Interleukin-22 (IL-22) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Interleukin-22 (IL-22) should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.

## GENE INFORMATION

<b>Gene Name</b>	IL22 interleukin 22 [ Homo sapiens ]
<b>Official Symbol</b>	IL22
<b>Synonyms</b>	IL22; interleukin 22; interleukin-22; IL 10 related T cell derived inducible factor; IL 21; IL 22; IL D110; IL TIF; ILTIF; MGC79382; MGC79384; TIFa; TIFIL 23; zcyto18; cytokine Zcyto18; IL-10-related T-cell-derived inducible factor; IL-10-related T-cell-derived-inducible factor; IL-21; IL-22; IL-TIF; IL-D110; TIFIL-23;
<b>Gene ID</b>	50616
<b>mRNA Refseq</b>	NM_020525
<b>Protein Refseq</b>	NP_065386
<b>MIM</b>	605330
<b>UniProt ID</b>	Q9GZX6

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