

DATASHEET
Version 20181206**IL-22, Human(HEK 293-expressed)****Cat. No.:** Z03081-1**Size:** 1.0 mg**Synonyms:** IL-TIF**Description:**

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.

Amino Acid Sequence:

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00001 APISSHCRDL KSNFQQPYIT NRTFMLAKEA SLADNNTDVR
00041 LIGKLFHGV SMSERCYLMK QVLNFTLEEV LFPQSDRFQP
00081 YMQEVVPFLA RLSNRLSTCH IEGDDLHIQR NVQKLKDTVK
00121 KLGESGEIKA IGELDLLFMS LRNACT
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Source: HEK 293**Species:** Human**Biological Activity:** Active, measured by its ability to activate STAT following receptor ligand interaction.**Molecular Weight:** 16 28 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 μ g/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**Endotoxin Level:** < 0.2 EU/ μ g, determined by LAL method.**Storage:** Lyophilized recombinant Human Interleukin-22 (IL-22) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-22 (IL-22) should be stable up to 1 week at 4°C or up to 2 months at -20°C.