

Overview

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.
Accession No	NP_065386.1
Species	Human
Source	HEK 293
Biological Activity	Measured by its ability to induce IL-10 secretion in COLO 205 (human colon carcinoma cells). The ED ₅₀ for this effect is less than 0.3 ng/ml.
Sequence	<p>APISSHCRLD KSNFQQPYIT NRTFMLAKEA SLADNNTDVR</p> <p>LIGEKLFHGV SMSERCYLMK QVLNFTLEEV LFPQSDRFQP</p> <p>YMQEVPVFLA RLSNRLSTCH IEGDDLHIQR NVQKLKDTVK</p> <p>KLGESGEIKA IGELDLLFMS LRNACI</p>

Properties

Measured Molecular Weight	16~28 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, 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.
Note	For research use only

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