

IL-22, Human CellExp™, human recombinant

CATALOG #:	7272-10	10 µg
ALTERNATE NAMES:	IL-22, IL-TIF, ZCYTO18	
SOURCE:	HEK 293 cells (Ala 34 - Ile 179)	
PURITY:	≥ 95% by SDS-PAGE gel	
MOL. WEIGHT:	Calculated MW of 17.2 kDa with no tag. The predicted N-terminus is Ala 34. DTT-reduced protein migrates as 18-33 kDa due to glycosylation.	
ENDOTOXIN LEVEL:	<1 EU/µg by LAL method	
FORM:	Lyophilized	

FORMULATION: Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 100 mM NaCl, pH 8.0. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

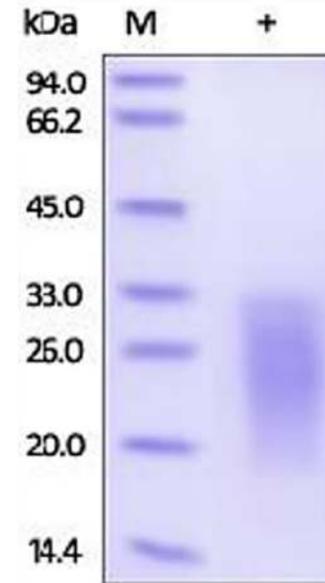
STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

DESCRIPTION: Interleukin-22 (IL22) is also known as cytokine Zcyto18, IL-10-related T-cell-derived-inducible factor (IL-TIF), which belongs to the IL-10 family or IL-10 superfamily (including IL-19, IL-20, IL-24, and IL-26), a class of potent mediators of cellular inflammatory responses. IL-22 is produced by activated DC and T cells and initiates innate immune responses against bacterial pathogens especially in epithelial cells such as respiratory and gut epithelial cells. IL-22 biological activity is initiated by binding to a cell-surface complex composed of IL-22R1 and IL-10R2 receptor chains and further regulated by interactions with a soluble binding protein IL-22BP. IL-22 also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10.

BIOLOGICAL ACTIVITY:

Measured by its ability to induce IL-10 secretion in COLO 205 (human colon carcinoma cells). The ED₅₀ for this effect is 0.5 - 1.0 ng/ml



Human recombinant IL-22

RELATED PRODUCTS:

- IL-22, human recombinant (Cat # 4601-10, -1000)
- IL-22, murine recombinant (Cat # 4602-10, -50, -1000)
- IL-22 Antibody (Cat # 5597-100)

FOR RESEARCH USE ONLY! Not to be used in humans.