

Recombinant Rat IL22 Protein, His-tagged

Cat. No. IL22-11103R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat IL-22 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Leu 34 - Val 179 (Accession # G3V6X6). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Leu 34
Species	Rat
Source	HEK293
ProteinLength	34-179 aa
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.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 18.5 kDa. The protein migrates as 27-35 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

condition (SDS-PAGE) due to glycosylation.

Purity >95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

Storage This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name IL22 interleukin 22 [*Rattus norvegicus*]

Official Symbol IL22

Synonyms IL22; interleukin 22; interleukin-22; RGD1561292;

Gene ID 500836

mRNA Refseq NM_001191988

Protein Refseq NP_001178917

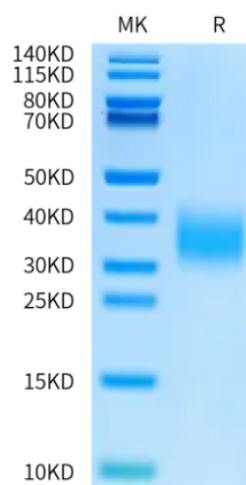
UniProt ID G3V6X6

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA