

Active Recombinant Human IL22 protein

Cat. No. IL22-461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL22 protein(NP_065386.1) (Ala34-Ile179) was expressed in E.coli with a N-terminal Met.
Species	Human
Source	E.coli
ProteinLength	34-179 aa
Form	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 5.0.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by inducing IL-10 secretion of human COLO 205 cells is less than 0.3 ng/ml, corresponding to a specific activity of $> 3.3 \times 10^6$ IU/mg.
Molecular Mass	Approximately 33.6 kDa, non-disulfide-linked homodimeric protein containing of two 147 amino acid polypeptide chains.
AASequence	MAPISSHCRL DKSNFQQPYI TNRTFMLAKE ASLADNNTDV RLIGEKLFGH VMSERCYLM KQVLNFTLEE VLFPSQDRFQ PYMQEVPFL ARLSNRLSTC HIEGDDLHIQ RNVQKLKDTV KKLGESGEIK AIGELDLLFM SLRNACI
Endotoxin	Less than 1 EU/g of rHuIL-22 as determined by LAL method.
Purity	> 97 % by SDS-PAGE and HPLC analyses.

 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

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name IL22 interleukin 22 [Homo sapiens]

Official Symbol IL22

Synonyms

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;

Gene ID 50616

mRNA Refseq NM_020525

Protein Refseq NP_065386

MIM 605330

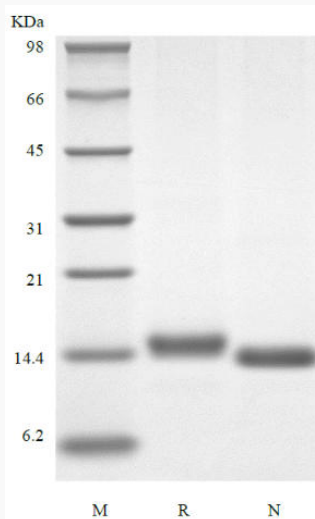
UniProt ID Q9GZX6

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SDS-PAGE



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