cellsciences.com

IL22
IL-22, Human Recombinant

Catalog No.	CRI177A	**Quantity:**	2 µg
	CRI177B		10 µg
	CRI177C		1.0 mg

Alternate Names: IL-TIF, TIFa, IL-10-related T-cell-derived-inducible factor, ILTIF, IL-D110, zcyto18

Description: Interleukin 22 (IL-22), also called IL-TIF, is an IL-10 family member that is produced by activated dendritic cells and T lymphocytes. IL-22 signals via a heteroduplex receptor consisting of IL-22R and IL-10RB chains. IL-22 is a potent mediator of cellular inflammatory responses.

GeneID: 50616

UniProt ID: Q9GZX6

Source: *E. coli*

Molecular Weight: Dimer, 16.9/33.8 kDa (147/294 aa)

Formulation: Lyophilized from a sterile filtered aqueous solution containing 10 mM sodium citrate, pH 3.0

Purity: ≥ 95 % by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg, by kinetic LAL

Biological Activity: This product demonstrates pSTAT3 activation in HepG2 cells, detected with western blot at 1-5 ng/ml.

Amino Acid Sequence: MAPISSHCRL DKSNFQQPYI TNRTFMLAKE ASLADNNTDV RLIGEKLFHG VSMSERCYLM KQVLNFTLEE VLFPQSDRFQ PYMQEVVPFL ARLSNRLSTC HIEGDDLHIQ RNVQKLKDTV KKLGESGEIK AIGELDLLFM SLRNACI

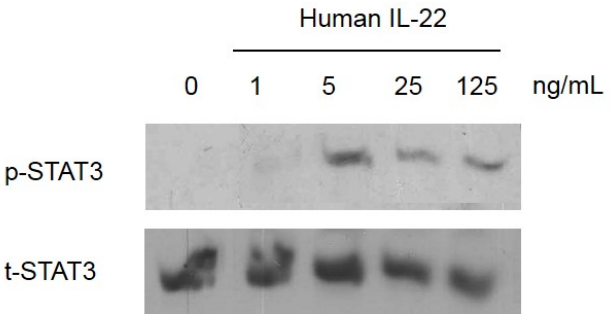
Reconstitution: **Centrifuge vial prior to opening.** Add sterile water to the vial to yield final concentration of 0.1 mg/mL. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for complete reconstitution.

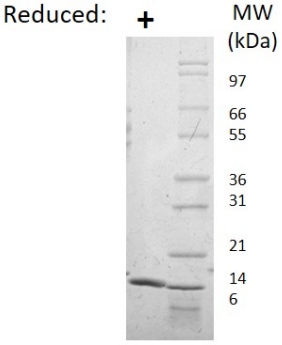
Storage & Stability: Store as supplied, at -20°C to -80°C for up to 1 year. Upon reconstitution as directed, protein can be stored at 2-8°C for one month. Product is stable for 3 months when stored as working aliquots at -20°C to -80°C, with 0.1 % BSA solution added as stabilizer. **Avoid repeated freeze-thaw cycles.**

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com





Human IL-22 Gel
Figure: 1 ug run under (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-22 is a homodimer with a total predicted MW of 33.8 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com