

# Human IL 20 Recombinant Protein



RPPB0630

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## Product Information    Protein Information

**Product SKU:**

RPPB0630

**Accession:**

Q9NYY1

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-20 Human Recombinant produced in E.Coli is a single, non-glycosylated homodimeric polypeptide chain containing 2 x 153 amino acids and having a total molecular mass of 35,212 Dalton. The IL-20 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

IL10D, ZCYTO10, IL-20, MGC96907, Four alpha helix cytokine Zcyto10.

**Formulation:**

Lyophilized carrier free.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin -20 in sterile 18MΩ-cm H<sub>2</sub>O at a concentration of 0.5mg/ml or less.

**Stability:**

Lyophilized Interleukin-20 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL20 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Lys-Thr-Leu.

**Biological Activity:**

The Biological Activity was determined by measuring the dose dependent activation of STAT3 in human epidermal keratinocytes (HEKa cells). Significant STAT3 activation is observed with 100 ng/mL of recombinant human IL-20 corresponding to a Specific Activity of 10,000IU/mg.