

# Human IL 13 Recombinant Protein



RPPB0574

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## Product Information    Protein Information

**Product SKU:**

RPPB0574

**Accession:**

P35225

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-13 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 112 amino acids and having a molecular mass of 12 kDa. The IL-13 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

NC30, ALRH, BHR1, P600, IL-13, MGC116786, MGC116788, MGC116789.

**Formulation:**

The protein (1mg/ml) was lyophilized with 1xPBS pH-7.2 & 5% trehalose.

**Purity:**

Greater than 95% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 13 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin-13 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL13 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:**

GPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSINLTAGMYCAALESINVSGCSAIEKTQRMLSGFCPHKVSAG  
QFSSLHVRDTKIEVAQFVKDLLLHLKLFREGRFN.

**Biological Activity:**

The ED<sub>50</sub> was determined by the dose dependent proliferation of TF-1 cells and was found to be < 1ng/ml, corresponding to a specific activity of >1 x 10<sup>6</sup>units/mg.