

Rat IL 13 109 a.a. Recombinant Protein



RPPB0579

Product Information Protein Information

Product SKU:

RPPB0579

Accession:

P42203

Host:

Escherichia Coli.

Protein description:

Interleukin-13 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 109 amino acids and having a molecular mass of 11.9 kDa. The IL-13 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

NC300, ALRH, BHR1, P600, IL-13.

Formulation:

The protein (1mg/ml) was lyophilized in PBS, pH7.4.

Purity:

Greater than 95% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin 13 in sterile 18MΩ-cm H₂O 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:

VRRSTSPVVA LRELIEELSN ITQDQKTS LC NSSI VWSVDI TAGGFCAALE SLTNISSCNA IHRTQRILNG
LCNQKASDVA SSPPDTKIEV AQFISKLLNY SKQLFRYGH.

Biological Activity:

ED50 range = 40ng/ml, corresponding to a specific activity of > 25,000IU/mg as determined by the dose dependent proliferation of human TF-1 cells. Optimal concentration for individual application should be determined by a dose response assay.