

Interleukin-13 109 a.a. Rat Recombinant

Item Number	rAP-0535
Synonyms	NC300, ALRH, BHR1, P600, IL-13.
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.
Uniprot Accesion Number	P42203
Amino Acid Sequence	VRRSTSPVVA LRELIEELSN ITQDQKTSCL NSSIVWSVDI TAGGFCAALE SLTNSSCNA IHRTQRILNG LCNQKASDVA SSPPDTKIEV AQFISKLLNY SKQLFRYGH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein (1mg/ml) was lyophilized in PBS, pH7.4. Greater than 95% as determined by SDS-PAGE.
Application	
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.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**