

Rat IL-13 (109aa)

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1550.970.002		
10 µg	1550.970.010		
1 mg	1550.970.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** *E. Coli*
- **Purity** ≥ 95% (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein (1mg/ml) was lyophilized in PBS, pH7.4*
- **Physical state** Sterile filtered, lyophilized

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.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

VRRSTSPVVA LRELIEELSN ITQDQKTS LC NSSIVWSVDI TAGGFCAALE SLTNISSCNA IHRTQRILNG
LCNQKASDVA SSPD TKIEV AQFISKLLNY SKQLFRYGH

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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