

## Recombinant Human IL-13

Catalog No: CC89

Description Recombinant Human Interleukin-13 is produced by our Mammalian expression system and the target

gene encoding Leu25-Asn146 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name Interleukin-13; IL-13

Accession No. P35225

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100μg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

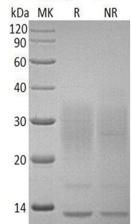
Amino Acid Sequence LTCLGGFASPGPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSINLTAGMYCAALESLINVSGCSAIE

KTQRMLSGFCPHKVS AGQFSSLHVRDTKIEVAQFVKDLLLHLKKLFREGQFNVDHHHHHH

Interleukin-13 is also known as IL-13. It is a protein that in humans is encoded by the IL13 gene. Interleukin-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells. It is involved in several stages of B- cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro- inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen- induced asthma but operates through mechanisms

independent of IgE and eosinophils.

## Background



SDS-Page

