

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.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Amino Acid Sequence	<p>LTCLGGFASPGVPVPSTALRELIEELVNITQNQKAPLCNGSMVWSINLTAGMYCAALESINVSGCSAIE KTQRMLSGFCPHKVS AGQFSSLHVRDTKIEVAQFVKDLLLHLKKLFREGQFNVDHHHHHH</p> <p>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.</p>
Background	

SDS-Page

