

Datasheet for ABIN7505097

IL-13 Protein (AA 25-146) (SUMO Tag,His tag)



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Overview

Quantity:	100 µg
Target:	IL-13 (IL13)
Protein Characteristics:	AA 25-146
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-13 protein is labelled with SUMO Tag,His tag.

Product Details

Sequence:	Leu 25-Asn 146
Characteristics:	A DNA sequence encoding the Human IL-13 protein (P35225) (Leu 25-Asn 146) was expressed with a N-SUMO-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL-13 (IL13 Products)
Background:	Abbreviation: IL-13 Target Synonym: ALRH;IL-13;P600;IL13 Background: Interleukin 13 (IL-13) is a single-chain glycosylated polypeptide, which belongs to the IL-13/IL-4 family. IL-13 protein is secreted by many cell types, but especially by T helper type

Target Details

2 (Th2) cells. IL-13 exerts its effects through a multi-subunit receptor comprising the alpha chain of the IL-4 receptor (IL-4R α) and at least one of two known IL-13-specific binding chains (IL-13 R α 1 and IL-13 R α 2). As a cytokine, IL-13 protein is critical in regulating inflammatory, immune responses and diseases. In addition, it inhibits the production of pro-inflammatory cytokines and chemokines, and thus down-regulates macrophage activity. IL-13 protein and antibody is more importantly implicated as a central mediator of immunoregulatory processes in various cell types.

Molecular Weight: Calculated MW: 33.31 kDa
Observed MW: 35 kDa

UniProt: [P35225](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Proton Transport](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months