

Datasheet for ABIN6700025

IL-13 Protein

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Overview

Quantity:	100 µg
Target:	IL-13 (IL13)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Interleukin-13 Recombinant Protein
Purification:	Interleukin-13 purity was determined to be greater than 95% as determined by analysis by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose dependent proliferation of TF-1 cells and is typically less than 1 ng/mL.

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL13 (IL13 Products)
Background:	Synonyms: NC30 Background: Interleukin-13 (IL-13) is an important cytokine secreted from Th2 cells. The

Target Details

functions attributed to IL-13 overlap significantly with those of IL-4 (induces IgE secretion from B cells and inhibits expression of inflammatory cytokines such as IL-1 β , TNF- α , IL-8 and IL-6), but differs from IL-4 in that IL-13 seems to link inflammatory responses of immune cells to the pathophysiological changes in the surrounding non-immune cells. The receptor subunits of IL-13 consist of IL-4R α , IL-13R α 1 and IL-13R α 2. Human and mouse IL-13 are cross-reactive. Recombinant human IL-13 is a non-glycosylated variant of native IL-13, containing 115 amino acids (additional Gln at position 113), with a molecular weight of 12.6 kDa.

UniProt:	P35225
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport

Application Details

Application Notes:	Application Note: Interleukin-13 Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Interleukin-13 in immunological assays. Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 μ L
Concentration:	0.1 mg/mL
Buffer:	Buffer: 0.01 M Sodium Citrate, pH 3.0 Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Handling

Expiry Date: 6 months