

Recombinant Pig IL13 Protein, His-tagged

Cat. No. IL13-1003P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL13 Protein (Pro25-Gly131) with His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Pro25-Gly131
Description	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine 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. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.7 kDa; Accurate Molecular Mass: 16 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL13 interleukin 13 [<i>Sus scrofa</i> (pig)]
Official Symbol	IL13
Synonyms	IL13; interleukin 13; interleukin-13; L13; IL-13;
Gene ID	396721
mRNA Refseq	NM_213803
Protein Refseq	NP_998968
UniProt ID	Q95J68

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