

Recombinant Dog IL31 Protein, His-tagged

Cat. No. IL31-1038D Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Dog IL31 Protein (Gln31-Gln159) with His tag was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	Gln31-Gln159
Description	IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.3 kDa; Accurate Molecular Mass: 15 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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

IL31 interleukin 31 [*Canis lupus familiaris* (dog)]

Official Symbol

IL31

Synonyms

IL31; interleukin 31; interleukin-31;

Gene ID

100302725

mRNA Refseq

NM_001165914

Protein Refseq

NP_001159386

UniProt ID

C7G0W1

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