

Recombinant Dog IL31 Protein (24-159aa)

Cat. No. IL31-05D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL31 without tag was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Dog
Source	HEK293
ProteinLength	24-159aa
Description	IL31, also known as interleukin-31, is a cytokine with an anti-parallel four-helix bundle structure in the gp130/IL-6 cytokine family. It shares several structural and functional characteristics with IL-6, Oncostatin M, LIF, and Cardiotrophin-1. This protein is mainly associated with activated T cells and is preferentially expressed by type 2 helper T cells (Th2). This protein is an inflammatory cytokine that helps trigger cell-mediated immunity against pathogens. It has also been identified as a major player in a number of chronic inflammatory diseases, including atopic dermatitis.
Form	Liquid
Molecular Mass	15.3 kDa (136aa)
AA Sequence	SHMAPTHQLPPSDVRKIILELQPLSRGLLEDYQKKETGVPESNRTLLLCLTSDSQPPR LNSSAILPYFRAIRPLSDKNIIDKIIQLDKLKFQHEPETEISVPADTFECKSFILTILQQF SACLESVFKSLNSGPQ

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Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Notes	Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

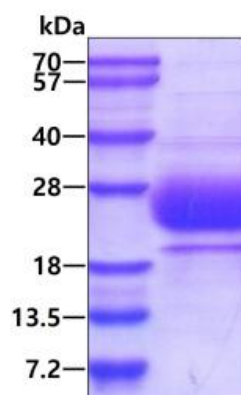
Gene Name	IL31 interleukin 31 [<i>Canis lupus familiaris</i> (dog)]
Official Symbol	IL31
Synonyms	IL31; interleukin 31; interleukin-31
Gene ID	100302725
mRNA Refseq	NM_001165914
Protein Refseq	NP_001159386
UniProt ID	C7G0W1

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SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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