

Recombinant Mouse Interleukin 31

Cat. No. II31-171M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant murine IL-31 is a 15.8 kDa protein containing 140 amino acid residues. It was expressed in <i>E.Coli</i> .
Species	Mouse
Source	E.coli
Description	IL-31 is a T-cell derived cytokine that shares several structural and functional characteristics with IL-6, Oncostatin M, LIF, and Cardiotrophin-1. It signals through a receptor complex comprised of GPL (GP130-like, IL-31RA) and OSMR (Oncostatin M receptor). GPL/OSMR signaling is a strong activator of STAT3 and STAT5, and can also activate STAT1, Jak1, and Jak2 signaling pathways. IL-31 regulated immune responses have been implicated in skin physiology and inflammatory skin diseases.
Purity	> 98% (SDS-PAGE; HPLC).
Endotoxin Level	< 0.1 ng/μg of IL-31.
Stabilizer	None.
Formulation	Lyophilized.
Biological Activity	Testing in progress.
Stability	The lyophilized protein is stable for at least 2 years from date of receipt at -20°C.

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Reconstituted IL-31 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL31 interleukin 31 [<i>Mus musculus</i>]
Synonyms	interleukin 31; 1700013B14Rik; IL31
Gene ID	76399
mRNA Refseq	NM_029594
Protein Refseq	NP_083870
UniProt ID	Q6EAL8
Chromosome Location	5 F
Function	cytokine activity

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