

Recombinant Mouse IL31 Protein

Cat. No. IL31-172M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL31 Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Interleukin 31 (IL-31) is an immunoregulatory cytokine that is expressed by activated type 2 T helper (Th2) cells. IL-31 signals through a heterodimer receptor consisting of the IL-31 Receptor A (IL-31RA) and the oncostatin M receptor (OSMR), which are expressed on monocytes, epithelial cells, and keratinocytes. IL-31 promotes allergic reactions and inflammatory skin diseases.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 15.8 kDa (with 141 amino acids)
AA Sequence	SHTLPVRLRLRPSSDDVQKIVEELQSLSKMLLKDVVEEEKGVLVSQNYTLPCLSQDAQPP NNIHSPAIRAYLKTIRQLDNKSVIDEIIEHLDKLIFQDAPETNISVPTDTHECKRFILTISQ QFSECMDLALKSLTSGAQQATT
Endotoxin	≤1 EUs/μg, Kinetic LAL (50% confidence)
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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	1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 20 mM sodium phosphate, 50 mM sodium chloride, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	IL31 interleukin 31 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL31
Synonyms	IL31; interleukin 31; interleukin-31; IL-31; 1700013B14Rik;
Gene ID	76399
mRNA Refseq	NM_029594
Protein Refseq	NP_083870

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UniProt ID

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