

## Recombinant Mouse IL31 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse IL31 Protein without tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Bio-activity</b>	No biological activity data is available at this time.
<b>Molecular Mass</b>	Monomer, 15.8 kDa (with 141 amino acids)
<b>AA Sequence</b>	SHTLPVRLRLRPSSDDVQKIVEELQSLSKMLLKDVVEEEKGVLVSQNYTLPCLSPDAQPP NNIHSPAIRAYLKTIRQLDNKSVIDEIIEHLDKLIQDAPETNISVPTDTHECKRFILTISQ QFSECMDLALKSLTSGAQQATT
<b>Endotoxin</b>	≤1 EUs/μg, Kinetic LAL (50% confidence)
<b>Purity</b>	≥95%, Reducing and Non-Reducing SDS PAGE
<b>Stability</b>	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 \[ Mus musculus \(house mouse\) \]](#)

**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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