Recombinant Mouse Il31 Protein

Cat. No. Il31-156M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 31 (Il31) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR. May function in skin immunity. Enhances myeloid progenitor cell survival in vitro. Induces RETNLA and serum amyloid A protein expression in macrophages.
Molecular Mass	15.8 kDa
AA Sequence	MTCSLSFGAPISKEDLRTTIDLLKQESQDLYNNYSIKQASGMSADESIQLPCFSLDRE ALTNISVIIAHLEKVKVLSENTVDTSWVIRWLTNISCFNPLNLNISVPGNTDESYDCKV FVLTVLKQFSNCMAELQAKDNTTC
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.

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Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Reconstitution	Resuspend the protein in the desired concentration in proper buffer.

GENE INFORMATION

Gene Name	Il31 interleukin 31 [Mus musculus (house mouse)]
Official Symbol	Il31
Synonyms	Il31; interleukin 31; 1700013B14Rik; interleukin-31; IL-31
Gene ID	76399
mRNA Refseq	NM_029594
Protein Refseq	NP_083870
UniProt ID	Q6EAL8

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