Recombinant Mouse Il31 Protein, His-Tagged

Cat. No. Il31-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il31 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin-31 (IL-31) s 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. It is produced by a variety of cells, namely type 2 helper (TH2) T-cells. IL-31 sends signals through a receptor complex made of IL-31RA and oncostatin M receptor β (OSMRβ) expressed in immune and epithelial cells. These signals activate three pathways: ERK1/2 MAP kinase, PI3K/AKT, and JAK1/2 signaling pathways.
Form	Lyophilized powder
AA Sequence	MTCSLSFGAPISKEDLRTTIDLLKQESQDLYNNYSIKQASGMSADESIQLPCFSLDRE ALTNISVIIAHLEKVKVLSENTVDTSWVIRWLTNISCF NPLNLNISVPGNTDESYDCKVFVLTVLKQFSNCMAELQAKDNTTC with polyhistidine tag at the Cterminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

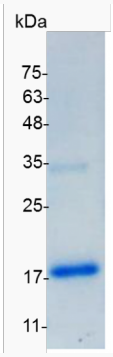
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Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Il31 interleukin 31 [Mus musculus (house mouse)]
Official Symbol	Il31
Synonyms	1700013B14Rik
Gene ID	76399
mRNA Refseq	NM_029594.2
Protein Refseq	NP_083870.1
UniProt ID	Q6EAL8

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