

PRODUCT INFORMATION  
**IL-31 (Interleukin-31), Mouse**

<b>Catalog number</b>	C02034-5UG / C02034-20UG / C02034-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Interleukin-31 (IL-31) is 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.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MTCSLSFGAPISKEDLRTTIDLLKQESQDLYNNYSIKQASGMSADESIQLPCFSL DREALTNISVIIAHLEKVKVLSSENTVDTSWVIRWLTNISCFNPLNLSVPGNTDE SYDCKVFVLTVLKQFSNMAELQAKDNTTC with polyhistidine tag at the Cterminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IL-31

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