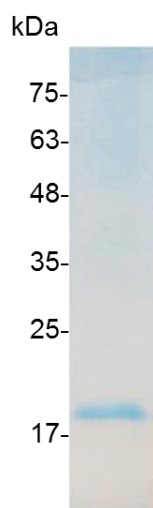


PRODUCT INFORMATION
IL-31 (Interleukin-31), Human

Catalog number	C01037-5UG / C01037-20UG / C01037-100UG
Package	5 µg / 20 µg / 100 µg
Description	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.
Source	<i>Escherichia coli</i>
Sequence	MSHTLPVRLLRPSDDVQKIVEELQSLSKMLLKDVVEEEKGVLVSQNYTLPCCLSPD AQPPNNIHSPAIRAYLKTIRQLDNKSVIDEIIEHLDKLIFQDAPETNISVPTDTCHECK RFILTISQQFSECMDLALKSLTSGAQQATT with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measured by its ability to induce STAT3 activation in U-87 cells. The ED ₅₀ for this effect is <20 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human IL-31

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