

Animal-Free IL-31 Protein, Mouse (His)

Cat. No.:	HY-P700207AF
Synonyms:	IL31; IL-31; Interleukin-31
Species:	Mouse
Source:	E. coli
Accession:	Q6EAL8 (T24-C163)
Gene ID:	76399
Molecular Weight:	Approximately 16.56 kDa

PROPERTIES

AA Sequence	<p>M T C S L S F G A P I S K E D L R T T I D L L K Q E S Q D L Y N N Y S I K Q A S</p> <p>G M S A D E S I Q L P C F S L D R E A L T N I S V I I A H L E K V K V L S E N T</p> <p>V D T S W V I R W L T N I S C F N P L N L N I S V P G N T D E S Y D C K V F V L</p> <p>T V L K Q F S N C M A E L Q A K D N T T C</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>IL-31 Protein activates STAT3 and potentially STAT1 and STAT5 through the IL31 heterodimeric receptor, which consists of IL31RA and OSMR. It has been suggested to play a role in skin immunity and enhances the survival of myeloid progenitor cells in vitro. IL-31 Protein also induces the expression of RETNLA and serum amyloid A protein in macrophages. These diverse functions highlight the significance of IL-31 Protein in various biological processes and suggest its potential implications in immune regulation and cell survival.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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