

Recombinant Mouse IL-31

CATALOG #: 4985-10 10 µg
4985-100 100 µg
4985-1000 1 mg

ALTERNATE NAMES: None

LOT #: _____

SOURCE: *E. coli*

PURITY: > 97 % by SDS-PAGE
Endotoxin level (by LAL analysis) is < 0.01ng per ug of IL-31.

MOL. WEIGHT: 15.7 kDa

FORM: Sterile filtered white powder lyophilized from a solution containing 10 mM sodium phosphate buffer pH 7.5.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile H₂O at a concentration of 0.1mg/ml. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage. Reconstituted IL-31 should be stored in working aliquots at -20°C.

STORAGE CONDITIONS:

The lyophilized protein is best-stored at -20°C.

DESCRIPTION:

Interleukin-31 (IL-31) is an immunoregulatory cytokine that is mainly expressed by activated TH2 cells. IL-31 signals through the IL-31 Receptor (IL-31RA) and the oncostain receptor (OSMR), which are expressed on monocytes, epithelial cells, and keratinocytes. IL-31 has a role in inflammatory skin diseases. Recombinant mouse IL-31 is a non-glycosylated protein, containing 141 amino acids, with a mass of 15.7 kDa.

AMINO ACID SEQUENCE:

MTCSLSFGAP ISKEDLRITTI DLLKQESQDL YNNYSIKQAS GMSADESIQL PCFSLDREAL
TNISVIIAHL EKVVLSENT VDTSWVIRWL TNISCFNPLN LNISVPGNTD ESYDCKVFVL
TVLKQFSNCM AELQAKDNTT C

BIOLOGICAL ACTIVITY: A standard activity has not yet been determined.

RELATED PRODUCTS:

- IL-31, human recombinant
- Recombinant IL-1 thru IL-13
- Recombinant IL-15 thru IL-18
- Recombinant IL-21, IL-27, IL-32, IL-33
- Antibodies to IL-1 thru IL-8
- Antibodies to IL-12, IL-13, IL-15, IL-17, IL-18, IL-21
- Cytokines, Growth Factors and Hormones