

Human IL 31 Recombinant Protein



RPPB0657

Product Information Protein Information

Product SKU:

RPPB0657

Accession:

Q6EBC2

Host:

Escherichia Coli.

Protein description:

IL-31 human recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 141 amino acids (24-164 a.a.) and having a molecular mass of 15.8 kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interleukin 31, IL31, IL-31.

Formulation:

The IL-31 (1mg/ml) was lyophilized with 20mM Phosphate buffer, 150mM NaCl pH-7.4.

Purity:

Greater than 95.0% as determined by(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL-31 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL-31 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-31 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

SHTLPVRLLR PSDDVQKIVE ELQSLSKMLL KDVEEEKGVL VSQNYTLPLCL SPDAQPPNNI HSPAIRAYLK
TIRQLDNKSV IDEIIEHLDK LIFQDAPETN ISVPTDTHC KRFILTISQQ FSECMDLALK SLTSGAQQAT T.

Biological Activity:

The ED₅₀ was determined by its ability to activate STAT following receptor ligand interaction and found to be <5ng/ml, corresponding to a specific activity of 200,000 units.