

PRODUCT INFORMATION

IL31 **Target Synonyms** II - 31

Recombinant human IL31 Protein with C-terminal **Description**

10×His tag

Delivery In Stock **Uniprot ID** Q6EBC2 **Expression Host HEK293**

Tag C-10×His tag

Molecular

Background

IL31(Ser24-Thr164) 10×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 17.2 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before

Reconstitution lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

IL31, which is made principally by activated Th2type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively

expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004

[PubMed 15184896]).[supplied by OMIM, Mar

2008]

Usage Research use only Conjugate Unconjugated

Figure 1. Human IL31 Protein, His Tag on SDS-PAGE under reducing condition.

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IL31 Protein, His Tag (PME101593) can bind Human IL31RA(20-225) Protein, mFc Tag (PME101700) in a linear range of 3.20–400 ng/mL.

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