

## Product datasheet

# Recombinant Human IL31 protein ab119738

### Overview

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|-----------------------|--------------------------------|
| <b>Product name</b>   | Recombinant Human IL31 protein |
| <b>Protein length</b> | Full length protein            |

### Description

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|---------------|------------------|
| <b>Nature</b> | Recombinant      |
| <b>Source</b> | Escherichia coli |

### Amino Acid Sequence

|                         |  |
|-------------------------|--|
| <b>Accession</b>        | <a href="#">Q6EBC2</a>   |
| <b>Species</b>          | Human  |
| <b>Sequence</b>         | SHTLPVRLLRPSDDVQKIVEELQSLSKMLLKDVVEEEKGVLVSQNYTLPCLS<br>SPDAQPPNNIHSPAIRAYLKTIRQLDNKSVIDEIIEHLDKLIFQDAPET<br>NISVPTDTHECKRFILTSQQFSECMDLALKSLTSGAQQATT |
| <b>Molecular weight</b> | 16 kDa including tags  |
| <b>Amino acids</b>      | 24 to 164  |

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab119738** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                     |  |
|---------------------|--|
| <b>Applications</b> | SDS-PAGE<br>HPLC   |
| <b>Purity</b>       | > 95 % SDS-PAGE.<br>Purity by SDS_PAGE and SEC-HPLC: > 95% |
| <b>Form</b>         | Lyophilised  |

### Preparation and Storage

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|------------------------------|---|
| <b>Stability and Storage</b> | Shipped at 4°C. Store at -20°C. Store under desiccating conditions.<br>pH: 7.40 |
|------------------------------|---|

Constituents: 0.28% Phosphate Buffer, 0.88% Sodium chloride

## Reconstitution

Reconstitute in sterile H<sub>2</sub>O to a concentration  $\geq 100$   $\mu\text{g/ml}$ . This solution can then be diluted into other aqueous buffers. Avoid freeze/thaw cycles.

## General Info

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### Function

Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR. IL31 may function in skin immunity.

### Tissue specificity

Detected at low levels in testis, bone marrow, skeletal muscle, kidney, colon, thymus, small intestine and trachea.

### Cellular localization

Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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