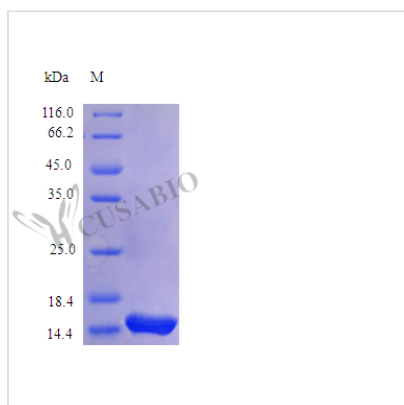




# Recombinant Human Interleukin-31 protein (IL31) (Active)

<b>Product Code</b>	CSB-AP001901HU
<b>Abbreviation</b>	Recombinant Human IL31 protein (Active)
<b>Uniprot No.</b>	Q6EBC2
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH7.4
<b>Product Type</b>	Interleukin
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The specific activity is determined by inducing STAT3 activation using human U-87 MG cells. 5 ng/mL of rHuIL-31 can effectively induce STAT3 activation.
<b>Purity</b>	>97% as determined by SDS-PAGE.
<b>Sequence</b>	SHTLPVRLLR PSDDVQKIVE ELQSLSKMLL KDVEEEKGVL VSQNYTLPLCL SPDAQPPNNI HSPAIRAYLK TIRQLDNKSV IDEIIEHLDK LIFQDAPETN ISVPTDTHC KRFILTISQQ FSECMDLALK SLTSGAQQAT T
<b>Research Area</b>	Immunology
<b>Source</b>	E.coli
<b>Target Names</b>	IL31
<b>Expression Region</b>	24-164aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	15.8 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	15184896; 15489334; 16461143; 17030248

## Image



**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.