

## Recombinant Human IL31 protein, His-tagged

Cat. No. IL31-311H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL31 protein(NP_001014358.1) (Met1-Thr164) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Thr164
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	Measured by its ability to induce STAT3 activation in U-87 cells. The ED50 for this effect is 11-45 ng/mL.
<b>Molecular Mass</b>	The recombinant human IL31 consists of 152 amino acids and predicts a molecular mass of 17.3 KDa. It migrates as an approximately 31.8 KDa band in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	IL31 interleukin 31 [ Homo sapiens ]
<b>Official Symbol</b>	IL31
<b>Synonyms</b>	IL31; interleukin 31; interleukin-31; IL 31; IL-31;
<b>Gene ID</b>	386653
<b>mRNA Refseq</b>	NM_001014336
<b>Protein Refseq</b>	NP_001014358
<b>MIM</b>	609509
<b>UniProt ID</b>	Q6EBC2

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