

# Product Datasheet

## Recombinant Human IL-31 Protein NBP2-34870-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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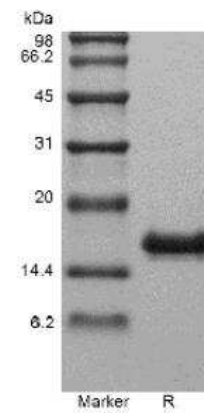
**NBP2-34870-100ug****Recombinant Human IL-31 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
<b>Purity</b>	> 97 % pure by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH7.4.
<b>Target Molecular Weight</b>	15.8 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 141 amino acids corresponding to IL-31 <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> Q6EBC2</p> <p><b>Amino Acid Sequence:</b> SHTLPVRLLR PSDDVQKIVE ELQSLSKMLL KDVEEEKGVL VSQNYTLPCL SPDAQPPNNI HSPAIRAYLK TIRQLDNKSV IDEIIEHLDK LIFQDAPETN ISVPTDTHC KRFILTISQQ FSECMDLALK SLTSGAQQAT T</p>
<b>Gene ID</b>	386653
<b>Gene Symbol</b>	IL31
<b>Species</b>	Human
<b>Details of Functionality</b>	IL-31 protein is 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 IL-31 can effectively induce STAT3 activation
<b>Endotoxin Note</b>	Less than 1 EU/ug of IL-31 as determined by LAL method.
<b>Product Application Details</b>	
<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity



## Images

SDS-Page: Recombinant Human IL-31 Protein [NBP2-34870] - SDS-PAGE with Recombinant human IL-31 protein.





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### **Products Related to NBP2-34870-100ug**

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NBP2-59591-50ug	Recombinant Canine IL-31 His Protein
210-TA-005	TNF-alpha [Unconjugated]
DY2824	IL-31 [Biotin]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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